

DETAILED STATISTICAL TABLES

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TABLE 1. Doctorates awarded, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 41,034 | 41,748 | 42,436 | 42,540 | 42,645 | 41,090 | 41,357 | 40,808 | 39,964 | 40,710 |
| Science and engineering ¹ | 26,204 | 26,535 | 27,240 | 27,232 | 27,278 | 25,932 | 25,966 | 25,540 | 24,571 | 25,258 |
| Engineering | 5,821 | 6,008 | 6,309 | 6,115 | 5,924 | 5,330 | 5,321 | 5,502 | 5,071 | 5,265 |
| Aeronautical/astronautical engineering | 230 | 252 | 287 | 273 | 241 | 206 | 214 | 203 | 208 | 199 |
| Chemical engineering | 725 | 708 | 798 | 767 | 776 | 674 | 725 | 728 | 705 | 643 |
| Chemical | 630 | 602 | 681 | 662 | 669 | 576 | 618 | 634 | 607 | 562 |
| Petroleum | 42 | 48 | 52 | 51 | 48 | 45 | 45 | 37 | 45 | 36 |
| Polymer/plastics | 53 | 58 | 65 | 54 | 59 | 53 | 62 | 57 | 53 | 45 |
| Civil engineering | 683 | 656 | 698 | 655 | 650 | 584 | 556 | 594 | 625 | 672 |
| Civil | 601 | 572 | 600 | 592 | 587 | 506 | 480 | 500 | 538 | 550 |
| Environmental health | 82 | 84 | 98 | 63 | 63 | 78 | 76 | 94 | 87 | 122 |
| Electrical engineering | 1,673 | 1,731 | 1,741 | 1,720 | 1,596 | 1,478 | 1,544 | 1,576 | 1,392 | 1,463 |
| Communications | 33 | 29 | 32 | 33 | 40 | 39 | 42 | 47 | 21 | 36 |
| Computer | 202 | 189 | 208 | 227 | 210 | 203 | 172 | 186 | 164 | 191 |
| Electrical/electronics | 1,438 | 1,513 | 1,501 | 1,460 | 1,346 | 1,236 | 1,330 | 1,343 | 1,207 | 1,236 |
| Industrial/manufacturing engineering | 228 | 284 | 259 | 246 | 229 | 211 | 176 | 205 | 230 | 211 |
| Materials/metallurgical engineering | 539 | 588 | 574 | 582 | 565 | 469 | 451 | 497 | 396 | 473 |
| Ceramic sciences | 39 | 39 | 41 | 39 | 24 | 33 | 22 | 17 | 13 | 18 |
| Materials science | 433 | 476 | 472 | 483 | 482 | 393 | 404 | 448 | 364 | 437 |
| Metallurgical | 67 | 73 | 61 | 60 | 59 | 43 | 25 | 32 | 19 | 18 |
| Mechanical engineering | 1,015 | 1,025 | 1,052 | 1,022 | 1,022 | 855 | 864 | 953 | 827 | 814 |
| Engineering mechanics | 132 | 108 | 105 | 93 | 86 | 68 | 57 | 75 | 56 | 63 |
| Mechanical | 883 | 917 | 947 | 929 | 936 | 787 | 807 | 878 | 771 | 751 |
| Other engineering | 728 | 764 | 900 | 850 | 845 | 853 | 791 | 746 | 688 | 790 |
| Agricultural | 89 | 73 | 104 | 79 | 74 | 59 | 60 | 52 | 50 | 54 |
| Bioengineering/biomedical | 173 | 189 | 220 | 211 | 208 | 245 | 252 | 232 | 246 | 280 |
| Engineering physics | 17 | 17 | 37 | 24 | 15 | 28 | 26 | 22 | 16 | 28 |
| Engineering science | 46 | 56 | 52 | 45 | 49 | 49 | 34 | 53 | 31 | 39 |
| Mining/mineral | 23 | 19 | 31 | 33 | 21 | 18 | 10 | 10 | 8 | 13 |
| Nuclear | 85 | 105 | 113 | 103 | 96 | 76 | 98 | 75 | 64 | 75 |
| Ocean | 29 | 21 | 26 | 34 | 29 | 16 | 18 | 28 | 23 | 12 |
| Operations research | 47 | 48 | 74 | 74 | 62 | 67 | 51 | 55 | 66 | 80 |
| Systems | 51 | 47 | 47 | 49 | 68 | 42 | 34 | 47 | 45 | 46 |
| Engineering, general | 39 | 60 | 60 | 51 | 29 | 40 | 42 | 25 | 19 | 20 |
| Engineering, other | 129 | 129 | 136 | 147 | 194 | 213 | 166 | 147 | 120 | 143 |
| Sciences ¹ | 20,383 | 20,527 | 20,931 | 21,117 | 21,354 | 20,602 | 20,645 | 20,038 | 19,500 | 19,993 |
| Biological/agricultural sciences | 6,280 | 6,412 | 6,758 | 6,771 | 6,882 | 6,548 | 6,797 | 6,543 | 6,580 | 6,616 |
| Agricultural sciences | 1,078 | 1,036 | 1,035 | 982 | 1,037 | 966 | 943 | 853 | 893 | 922 |
| Agronomy and crop science | 143 | 114 | 110 | 77 | 97 | 106 | 70 | 75 | 74 | 55 |
| Animal breeding/genetics | 17 | 19 | 12 | 24 | 18 | 21 | 22 | 16 | 14 | 21 |
| Animal nutrition | 58 | 50 | 54 | 55 | 45 | 47 | 45 | 45 | 49 | 41 |
| Dairy science | 11 | 14 | 9 | 14 | 10 | 12 | 9 | 2 | 7 | 18 |
| Poultry science | 21 | 11 | 11 | 9 | 11 | 8 | 9 | 11 | 10 | 17 |
| Animal sciences, other | 86 | 85 | 90 | 62 | 60 | 70 | 73 | 71 | 70 | 88 |

TABLE 1. Doctorates awarded, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Fisheries science and management | 48 | 49 | 46 | 45 | 30 | 38 | 43 | 44 | 53 | 47 |
| Wildlife/range management | 52 | 50 | 64 | 50 | 56 | 44 | 56 | 40 | 37 | 45 |
| Food engineering | 16 | 7 | 7 | 11 | 13 | 7 | 10 | 13 | 7 | 11 |
| Food sciences, other | 153 | 135 | 142 | 175 | 153 | 137 | 142 | 130 | 129 | 157 |
| Forest biology | 20 | 24 | 19 | 22 | 20 | 14 | 22 | 27 | 19 | 16 |
| Forest engineering | NA | 4 | NA | 13 | 2 | 1 | 3 | 0 | 3 | 3 |
| Forest management | 17 | 20 | 22 | 21 | 27 | 17 | 13 | 13 | 14 | 18 |
| Wood science and pulp/paper technology | 26 | 26 | 18 | 25 | 25 | 21 | 11 | 20 | 29 | 19 |
| Conservation/renewable natural resources | 21 | 24 | 13 | 17 | 25 | 25 | 19 | 32 | 27 | 47 |
| Forestry and related sciences, other | 59 | 71 | 55 | 50 | 69 | 50 | 54 | 48 | 56 | 47 |
| Horticulture science | 65 | 67 | 73 | 44 | 60 | 66 | 55 | 37 | 46 | 54 |
| Plant breeding/genetics | 81 | 72 | 63 | 67 | 69 | 44 | 68 | 37 | 59 | 50 |
| Plant pathology | 55 | 52 | 90 | 65 | 66 | 66 | 63 | 51 | 53 | 48 |
| Plant sciences, other | 24 | 30 | 21 | 20 | 37 | 38 | 29 | 26 | 27 | 29 |
| Soil chemistry/microbiology | 21 | 27 | 29 | 32 | 27 | 29 | 26 | 23 | 29 | 24 |
| Soil sciences, other | 69 | 72 | 78 | 56 | 74 | 67 | 64 | 56 | 54 | 50 |
| Agricultural sciences, general | 4 | 6 | 5 | 10 | 8 | 8 | 10 | 2 | 4 | 2 |
| Agricultural sciences, other | 11 | 7 | 4 | 18 | 35 | 30 | 27 | 34 | 23 | 15 |
| Biological sciences | 5,202 | 5,376 | 5,723 | 5,789 | 5,845 | 5,582 | 5,854 | 5,690 | 5,687 | 5,694 |
| Bacteriology | 18 | 13 | 16 | 13 | 13 | 13 | 15 | 17 | 12 | 6 |
| Biochemistry | 804 | 824 | 794 | 832 | 800 | 760 | 776 | 727 | 781 | 772 |
| Biomedical sciences ² | NA | 93 | 141 | 158 | 182 | 176 | 155 | 155 | 219 | 183 |
| Biophysics | 123 | 155 | 142 | 147 | 166 | 173 | 164 | 162 | 151 | 161 |
| Biotechnology research | 14 | 4 | 6 | 11 | 12 | 19 | 14 | 9 | 13 | 24 |
| Plant genetics | 30 | 35 | 41 | 30 | 40 | 31 | 35 | 31 | 57 | 38 |
| Plant pathology | 40 | 32 | 38 | 33 | 18 | 36 | 25 | 31 | 24 | 27 |
| Plant physiology | 70 | 55 | 73 | 47 | 61 | 54 | 39 | 45 | 43 | 32 |
| Botany, other | 117 | 102 | 105 | 91 | 113 | 67 | 92 | 75 | 84 | 80 |
| Anatomy | 66 | 64 | 47 | 50 | 35 | 33 | 39 | 29 | 20 | 33 |
| Biometrics/biostatistics | 72 | 67 | 80 | 84 | 75 | 76 | 92 | 90 | 80 | 84 |
| Cell biology | 237 | 236 | 233 | 251 | 300 | 281 | 337 | 315 | 302 | 301 |
| Developmental biology/embryology | 62 | 64 | 96 | 115 | 127 | 108 | 111 | 107 | 93 | 125 |
| Ecology | 201 | 203 | 245 | 255 | 293 | 273 | 296 | 338 | 312 | 348 |
| Endocrinology | 26 | 20 | 24 | 17 | 30 | 19 | 20 | 18 | 14 | 21 |
| Entomology | 123 | 121 | 136 | 123 | 138 | 114 | 137 | 90 | 113 | 111 |
| Biological immunology | 161 | 190 | 238 | 214 | 245 | 223 | 239 | 266 | 278 | 261 |
| Microbiology | 423 | 426 | 444 | 410 | 383 | 383 | 382 | 396 | 382 | 363 |
| Molecular biology | 598 | 617 | 651 | 775 | 736 | 716 | 707 | 709 | 622 | 613 |
| Neuroscience | 284 | 308 | 404 | 437 | 413 | 431 | 495 | 485 | 489 | 472 |
| Nutritional sciences | 147 | 136 | 142 | 124 | 139 | 102 | 150 | 135 | 141 | 127 |
| Parasitology | 22 | 14 | 22 | 17 | 15 | 13 | 19 | 22 | 17 | 15 |
| Toxicology | 120 | 126 | 138 | 180 | 155 | 114 | 123 | 133 | 122 | 123 |
| Human/animal genetics | 203 | 202 | 212 | 217 | 197 | 216 | 228 | 198 | 225 | 225 |
| Human/animal pathology | 128 | 109 | 135 | 106 | 90 | 120 | 106 | 116 | 115 | 102 |
| Human/animal pharmacology | 259 | 278 | 316 | 300 | 255 | 254 | 267 | 257 | 268 | 274 |
| Human/animal physiology | 289 | 262 | 275 | 227 | 258 | 244 | 241 | 215 | 208 | 213 |
| Zoology, other | 117 | 145 | 100 | 97 | 111 | 126 | 133 | 103 | 122 | 127 |

TABLE 1. Doctorates awarded, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Biological sciences, general | 288 | 348 | 291 | 209 | 217 | 182 | 200 | 195 | 184 | 196 |
| Biological sciences, other | 160 | 127 | 138 | 219 | 228 | 225 | 217 | 221 | 196 | 237 |
| Earth, atmospheric, and ocean sciences | 824 | 780 | 794 | 878 | 814 | 805 | 758 | 749 | 785 | 783 |
| Atmospheric sciences | 129 | 130 | 125 | 149 | 125 | 124 | 143 | 116 | 117 | 139 |
| Atmospheric dynamics | 27 | 16 | 21 | 25 | 24 | 17 | 17 | 17 | 13 | 21 |
| Atmospheric physics/chemistry | 27 | 27 | 22 | 45 | 38 | 43 | 39 | 33 | 39 | 39 |
| Meteorology | 32 | 25 | 35 | 28 | 25 | 22 | 34 | 20 | 15 | 25 |
| Atmospheric science/meteorology, general | 37 | 44 | 33 | 36 | 22 | 32 | 36 | 34 | 27 | 33 |
| Atmospheric science/meteorology, other | 6 | 18 | 14 | 15 | 16 | 10 | 17 | 12 | 23 | 21 |
| Earth sciences | 509 | 454 | 452 | 489 | 504 | 452 | 386 | 393 | 428 | 373 |
| Geochemistry | 59 | 42 | 49 | 49 | 58 | 55 | 49 | 41 | 70 | 53 |
| Geology | 194 | 186 | 162 | 165 | 171 | 157 | 123 | 115 | 132 | 119 |
| Geomorphology/glacial geology | 13 | 11 | 11 | 26 | 20 | 18 | 14 | 10 | 16 | 20 |
| Geophysics/seismology | 106 | 93 | 101 | 108 | 106 | 100 | 70 | 88 | 91 | 75 |
| Hydrology/water resources | 30 | 24 | 31 | 43 | 35 | 32 | 43 | 45 | 35 | 26 |
| Mineralogy/petrology | 21 | 19 | 23 | 19 | 14 | 14 | 5 | 15 | 13 | 8 |
| Paleontology | 17 | 20 | 14 | 23 | 23 | 15 | 31 | 16 | 22 | 18 |
| Stratigraphy/sedimentation | 27 | 16 | 12 | 23 | 24 | 17 | 13 | 13 | 7 | 16 |
| Geological and related sciences, general | 18 | 21 | 27 | 16 | 13 | 9 | 20 | 16 | 12 | 8 |
| Geological and related sciences, other | 24 | 22 | 22 | 17 | 40 | 35 | 18 | 34 | 30 | 30 |
| Oceanography | 125 | 115 | 134 | 144 | 112 | 130 | 134 | 121 | 128 | 133 |
| Marine sciences | 34 | 32 | 27 | 30 | 18 | 30 | 35 | 36 | 42 | 36 |
| Oceanography | 91 | 83 | 107 | 114 | 94 | 100 | 99 | 85 | 86 | 97 |
| Other environmental sciences | 61 | 81 | 83 | 96 | 73 | 99 | 95 | 119 | 112 | 138 |
| Mathematics/computer science | 2,021 | 2,187 | 2,042 | 2,032 | 2,104 | 1,938 | 1,909 | 1,833 | 1,725 | 1,860 |
| Computer sciences | 903 | 997 | 920 | 909 | 927 | 855 | 859 | 826 | 807 | 866 |
| Computer science | 833 | 913 | 836 | 828 | 821 | 741 | 722 | 688 | 673 | 698 |
| Information science/systems | 70 | 84 | 84 | 81 | 106 | 114 | 137 | 81 | 79 | 65 |
| Computer and information science, other | NA | 57 | 55 | 103 |
| Mathematics | 1,118 | 1,190 | 1,122 | 1,123 | 1,177 | 1,083 | 1,050 | 1,007 | 918 | 994 |
| Algebra | 78 | 82 | 78 | 78 | 75 | 84 | 82 | 68 | 65 | 68 |
| Analysis/functional analysis | 107 | 99 | 100 | 103 | 130 | 86 | 81 | 91 | 74 | 84 |
| Applied mathematics | 206 | 211 | 230 | 242 | 265 | 252 | 238 | 214 | 225 | 223 |
| Computing theory | 16 | 14 | 18 | 14 | 18 | 14 | 17 | 11 | 11 | 8 |
| Geometry | 35 | 45 | 72 | 70 | 54 | 65 | 59 | 40 | 52 | 48 |
| Logic | 29 | 35 | 16 | 23 | 16 | 23 | 19 | 24 | 14 | 18 |
| Mathematical statistics | 205 | 205 | 178 | 181 | 204 | 174 | 195 | 198 | 167 | 191 |
| Number theory | 37 | 35 | 42 | 46 | 46 | 50 | 40 | 35 | 26 | 46 |
| Operations research | 26 | 36 | 21 | 20 | 17 | 21 | 19 | 14 | 19 | 19 |
| Topology | 38 | 51 | 55 | 62 | 65 | 65 | 50 | 54 | 40 | 49 |
| Mathematics, general | 269 | 305 | 233 | 153 | 163 | 116 | 151 | 155 | 133 | 150 |
| Mathematics, other | 72 | 72 | 79 | 131 | 124 | 133 | 99 | 103 | 92 | 90 |
| Physical sciences | 3,977 | 3,841 | 3,839 | 3,769 | 3,824 | 3,579 | 3,407 | 3,393 | 3,209 | 3,320 |
| Astronomy | 144 | 173 | 192 | 198 | 206 | 159 | 185 | 186 | 144 | 167 |
| Astronomy | 66 | 89 | 84 | 71 | 91 | 59 | 78 | 89 | 54 | 69 |
| Astrophysics | 78 | 84 | 108 | 127 | 115 | 100 | 107 | 97 | 90 | 98 |

TABLE 1. Doctorates awarded, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Chemistry | 2,257 | 2,162 | 2,149 | 2,148 | 2,216 | 2,132 | 1,989 | 1,980 | 1,923 | 2,037 |
| Analytical | 334 | 317 | 346 | 350 | 383 | 333 | 326 | 334 | 302 | 336 |
| Inorganic | 262 | 258 | 249 | 279 | 287 | 279 | 221 | 280 | 247 | 264 |
| Medicinal/pharmaceutical | 102 | 96 | 96 | 105 | 114 | 131 | 107 | 115 | 99 | 109 |
| Nuclear | 10 | 5 | 5 | 8 | 6 | 10 | 9 | 4 | 9 | 4 |
| Organic | 544 | 483 | 507 | 567 | 598 | 563 | 525 | 522 | 524 | 556 |
| Physical | 334 | 338 | 300 | 334 | 279 | 310 | 271 | 285 | 302 | 320 |
| Polymer | 117 | 116 | 121 | 110 | 122 | 95 | 107 | 107 | 102 | 110 |
| Theoretical | 52 | 40 | 57 | 48 | 41 | 56 | 52 | 40 | 48 | 49 |
| Chemistry, general | 447 | 458 | 396 | 261 | 285 | 196 | 261 | 201 | 204 | 186 |
| Chemistry, other | 55 | 51 | 72 | 86 | 101 | 159 | 110 | 92 | 86 | 103 |
| Physics | 1,548 | 1,479 | 1,485 | 1,401 | 1,378 | 1,271 | 1,204 | 1,197 | 1,124 | 1,080 |
| Acoustics | 20 | 18 | 19 | 19 | 18 | 16 | 10 | 10 | 18 | 25 |
| Chemical and atomic/molecular | 140 | 110 | 129 | 106 | 100 | 100 | 110 | 81 | 82 | 72 |
| Elementary particle | 176 | 183 | 176 | 170 | 173 | 169 | 147 | 121 | 156 | 134 |
| Fluids | 12 | 18 | 21 | 24 | 26 | 23 | 10 | 8 | 15 | 9 |
| Nuclear | 90 | 91 | 87 | 106 | 92 | 77 | 74 | 80 | 76 | 66 |
| Optics | 104 | 98 | 129 | 123 | 105 | 98 | 117 | 107 | 107 | 95 |
| Plasma and high-temperature | 79 | 46 | 48 | 39 | 55 | 49 | 38 | 39 | 29 | 32 |
| Polymer | 29 | 23 | 33 | 19 | 24 | 28 | 21 | 18 | 22 | 13 |
| Solid state and low-temperature | 388 | 371 | 364 | 328 | 314 | 307 | 279 | 295 | 298 | 272 |
| Physics, general | 343 | 355 | 323 | 255 | 190 | 202 | 224 | 206 | 172 | 172 |
| Physics, other | 167 | 166 | 156 | 212 | 281 | 202 | 174 | 232 | 149 | 190 |
| Other physical sciences | 28 | 27 | 13 | 22 | 24 | 17 | 29 | 30 | 18 | 36 |
| Psychology | 3,379 | 3,429 | 3,495 | 3,557 | 3,675 | 3,668 | 3,618 | 3,442 | 3,198 | 3,275 |
| Clinical | 1,285 | 1,290 | 1,327 | 1,255 | 1,344 | 1,441 | 1,353 | 1,262 | 1,218 | 1,184 |
| Cognitive psychology and psycholinguistics | 129 | 104 | 128 | 166 | 113 | 143 | 141 | 141 | 121 | 133 |
| Comparative | 8 | 4 | 3 | 6 | 6 | 11 | 7 | 5 | 2 | 4 |
| Counseling | 497 | 471 | 465 | 488 | 448 | 460 | 475 | 482 | 469 | 437 |
| Developmental and child | 179 | 152 | 188 | 215 | 267 | 193 | 203 | 193 | 171 | 178 |
| Educational | 69 | 74 | 92 | 61 | 61 | 64 | 97 | 48 | 54 | 52 |
| Experimental | 139 | 151 | 128 | 146 | 149 | 139 | 133 | 134 | 112 | 119 |
| Family and marriage counseling ² | NA | 57 | 51 | 63 | 51 | 56 | 54 | 45 | 67 | 62 |
| Human/individual family development | 129 | 150 | 151 | 126 | 119 | 135 | 147 | 137 | 138 | 150 |
| Industrial/organizational | 137 | 155 | 162 | 187 | 189 | 158 | 188 | 173 | 154 | 155 |
| Personality | 19 | 16 | 24 | 26 | 25 | 16 | 23 | 11 | 17 | 17 |
| Physiological/psychobiology | 93 | 92 | 80 | 77 | 92 | 87 | 89 | 92 | 88 | 85 |
| Psychometrics | 5 | 10 | 11 | 11 | 9 | 15 | 13 | 2 | 9 | 7 |
| Quantitative | 17 | 13 | 19 | 17 | 15 | 14 | 8 | 10 | 13 | 11 |
| School | 84 | 91 | 82 | 84 | 106 | 121 | 99 | 109 | 89 | 102 |
| Social | 153 | 155 | 170 | 181 | 186 | 176 | 207 | 198 | 179 | 202 |
| Psychology, general | 280 | 306 | 281 | 318 | 300 | 235 | 239 | 223 | 146 | 226 |
| Psychology, other | 156 | 138 | 133 | 130 | 195 | 204 | 142 | 177 | 151 | 151 |
| Social sciences ¹ | 3,902 | 3,878 | 4,003 | 4,110 | 4,055 | 4,064 | 4,156 | 4,078 | 4,003 | 4,139 |
| Economics | 1,101 | 1,152 | 1,177 | 1,163 | 1,156 | 1,075 | 1,086 | 1,081 | 1,023 | 1,051 |
| Agricultural economics | 162 | 173 | 169 | 133 | 155 | 149 | 138 | 154 | 119 | 119 |

TABLE 1. Doctorates awarded, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Econometrics | 26 | 27 | 29 | 31 | 25 | 15 | 15 | 13 | 14 | 23 |
| Economics | 913 | 952 | 979 | 999 | 976 | 911 | 933 | 914 | 890 | 909 |
| Political science | 930 | 894 | 928 | 975 | 959 | 1,016 | 987 | 984 | 938 | 1,026 |
| International relations and affairs | 112 | 73 | 99 | 88 | 96 | 119 | 77 | 91 | 82 | 99 |
| Political science/government | 589 | 599 | 622 | 665 | 662 | 655 | 669 | 658 | 606 | 660 |
| Public administration | 135 | 128 | 103 | 95 | 104 | 117 | 103 | 96 | 103 | 121 |
| Public policy analysis | 94 | 94 | 104 | 127 | 97 | 125 | 138 | 139 | 147 | 146 |
| Sociology | 548 | 555 | 528 | 601 | 579 | 572 | 637 | 577 | 565 | 612 |
| Demography/population studies | 23 | 15 | 11 | 24 | 30 | 28 | 20 | 12 | 20 | 15 |
| Sociology | 525 | 540 | 517 | 577 | 549 | 544 | 617 | 565 | 545 | 597 |
| Other social sciences | 1,323 | 1,277 | 1,370 | 1,371 | 1,361 | 1,401 | 1,446 | 1,436 | 1,477 | 1,450 |
| American studies | 88 | 94 | 115 | 84 | 100 | 98 | 113 | 127 | 97 | 94 |
| Anthropology | 384 | 375 | 397 | 434 | 425 | 463 | 446 | 410 | 495 | 472 |
| Archaeology | 34 | 35 | 21 | 35 | 34 | 26 | 36 | 40 | 26 | 33 |
| Area studies | 34 | 27 | 28 | 10 | 14 | 11 | 14 | 19 | 25 | 12 |
| Criminology | 41 | 44 | 60 | 49 | 55 | 51 | 66 | 62 | 56 | 76 |
| Geography | 146 | 150 | 165 | 149 | 154 | 144 | 197 | 186 | 197 | 168 |
| History/philosophy of science and technology | 27 | 41 | 37 | 35 | 44 | 50 | 42 | 40 | 46 | 46 |
| Linguistics | 221 | 201 | 230 | 244 | 220 | 251 | 230 | 230 | 195 | 224 |
| Statistics | 46 | 48 | 48 | 56 | 61 | 72 | 60 | 49 | 54 | 48 |
| Urban affairs and studies | 133 | 103 | 108 | 92 | 77 | 57 | 79 | 80 | 92 | 78 |
| Social sciences, general | 21 | 35 | 26 | 26 | 30 | 25 | 37 | 25 | 33 | 27 |
| Social sciences, other | 148 | 124 | 135 | 157 | 147 | 153 | 126 | 168 | 161 | 172 |
| Non-S&E ¹ | 14,830 | 15,213 | 15,196 | 15,308 | 15,367 | 15,158 | 15,391 | 15,268 | 15,393 | 15,452 |
| Education | 6,711 | 6,650 | 6,785 | 6,574 | 6,571 | 6,546 | 6,429 | 6,337 | 6,487 | 6,627 |
| Health | 1,296 | 1,329 | 1,324 | 1,421 | 1,500 | 1,407 | 1,591 | 1,620 | 1,655 | 1,633 |
| Humanities ¹ | 4,372 | 4,691 | 4,712 | 5,034 | 5,116 | 5,034 | 5,213 | 5,160 | 5,009 | 5,015 |
| Professional/other/unknown | 2,451 | 2,543 | 2,375 | 2,279 | 2,180 | 2,171 | 2,158 | 2,151 | 2,242 | 2,177 |

NA = not available (i.e., the subfield was not identified separately in the questionnaire for that year).

¹Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.²These subfields were introduced in 1995: "Biomedical sciences" and "Family and marriage counseling."

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 2. Doctorates awarded to women, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | Percent women | |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|------|
| | | | | | | | | | | | 1994 | 2003 |
| Grand total, all fields | 15,822 | 16,417 | 16,956 | 17,241 | 17,848 | 17,479 | 18,124 | 17,947 | 18,123 | 18,402 | 38.6 | 45.2 |
| Science and engineering ¹ | 7,922 | 8,286 | 8,649 | 8,934 | 9,348 | 9,081 | 9,393 | 9,328 | 9,158 | 9,472 | 30.2 | 37.5 |
| Engineering | 635 | 696 | 777 | 750 | 774 | 788 | 837 | 928 | 888 | 896 | 10.9 | 17.0 |
| Aeronautical/astronautical | 11 | 14 | 24 | 16 | 15 | 17 | 21 | 28 | 24 | 27 | 4.8 | 13.6 |
| Chemical engineering | 113 | 109 | 143 | 122 | 140 | 123 | 151 | 180 | 176 | 154 | 15.6 | 24.0 |
| Chemical | 101 | 96 | 126 | 106 | 119 | 101 | 130 | 156 | 150 | 140 | 16.0 | 24.9 |
| Petroleum | 3 | 1 | 3 | 3 | 6 | 5 | 6 | 7 | 10 | 5 | 7.1 | 13.9 |
| Polymer/plastics | 9 | 12 | 14 | 13 | 15 | 17 | 15 | 17 | 16 | 9 | 17.0 | 20.0 |
| Civil engineering | 80 | 76 | 79 | 80 | 100 | 89 | 88 | 111 | 120 | 125 | 11.7 | 18.6 |
| Civil | 56 | 55 | 64 | 70 | 83 | 76 | 78 | 82 | 96 | 86 | 9.3 | 15.6 |
| Environmental health | 24 | 21 | 15 | 10 | 17 | 13 | 10 | 29 | 24 | 39 | 29.3 | 32.0 |
| Electrical engineering | 147 | 173 | 169 | 150 | 156 | 155 | 195 | 203 | 163 | 179 | 8.8 | 12.2 |
| Communications | 5 | 5 | 2 | 3 | 6 | 6 | 7 | 12 | 4 | 7 | 15.2 | 19.4 |
| Computer | 25 | 18 | 23 | 21 | 22 | 32 | 31 | 33 | 16 | 27 | 12.4 | 14.1 |
| Electrical/electronics | 117 | 150 | 144 | 126 | 128 | 117 | 157 | 158 | 143 | 145 | 8.1 | 11.7 |
| Industrial/manufacturing engineering | 33 | 50 | 51 | 40 | 40 | 42 | 35 | 44 | 67 | 53 | 14.5 | 25.1 |
| Materials/metallurgical engineering | 83 | 95 | 84 | 106 | 84 | 88 | 83 | 105 | 80 | 101 | 15.4 | 21.4 |
| Ceramic sciences | 9 | 5 | 3 | 8 | 2 | 9 | 8 | 3 | 1 | 1 | 23.1 | 5.6 |
| Materials science | 69 | 84 | 72 | 96 | 75 | 75 | 73 | 99 | 78 | 99 | 15.9 | 22.7 |
| Metallurgical | 5 | 6 | 9 | 2 | 7 | 4 | 2 | 3 | 1 | 1 | 7.5 | 5.6 |
| Mechanical engineering | 69 | 64 | 78 | 88 | 93 | 96 | 96 | 91 | 96 | 84 | 6.8 | 10.3 |
| Engineering mechanics | 9 | 8 | 10 | 6 | 13 | 11 | 7 | 5 | 8 | 9 | 6.8 | 14.3 |
| Mechanical | 60 | 56 | 68 | 82 | 80 | 85 | 89 | 86 | 88 | 75 | 6.8 | 10.0 |
| Other engineering | 99 | 115 | 149 | 148 | 146 | 178 | 168 | 166 | 162 | 173 | 13.6 | 21.9 |
| Agricultural | 10 | 7 | 17 | 12 | 5 | 12 | 7 | 8 | 9 | 6 | 11.2 | 11.1 |
| Bioengineering/biomedical | 45 | 48 | 49 | 54 | 51 | 63 | 71 | 69 | 69 | 78 | 26.0 | 27.9 |
| Engineering physics | 3 | 1 | 3 | 4 | 3 | 4 | 1 | 2 | 3 | 9 | 17.6 | 32.1 |
| Engineering science | 3 | 6 | 4 | 7 | 8 | 4 | 6 | 9 | 8 | 2 | 6.5 | 5.1 |
| Mining/mineral | 3 | 0 | 3 | 3 | 4 | 2 | 0 | 2 | 0 | 1 | 13.0 | 7.7 |
| Nuclear | 8 | 9 | 9 | 8 | 10 | 8 | 9 | 6 | 13 | 11 | 9.4 | 14.7 |
| Ocean | 2 | 3 | 3 | 5 | 0 | 1 | 3 | 3 | 3 | 1 | 6.9 | 8.3 |
| Operations research | 7 | 8 | 16 | 15 | 15 | 16 | 11 | 17 | 13 | 19 | 14.9 | 23.8 |
| Systems | 5 | 5 | 9 | 10 | 9 | 7 | 6 | 8 | 9 | 9 | 9.8 | 19.6 |
| Engineering, general | 4 | 9 | 11 | 3 | 3 | 4 | 10 | 4 | 6 | 4 | 10.3 | 20.0 |
| Engineering, other | 9 | 19 | 25 | 27 | 38 | 57 | 44 | 38 | 29 | 33 | 7.0 | 23.1 |
| Sciences ¹ | 7,287 | 7,590 | 7,872 | 8,184 | 8,574 | 8,293 | 8,556 | 8,400 | 8,270 | 8,576 | 35.8 | 42.9 |
| Biological/agricultural sciences | 2,358 | 2,445 | 2,696 | 2,755 | 2,834 | 2,674 | 2,896 | 2,839 | 2,822 | 2,911 | 37.5 | 44.0 |
| Agricultural science | 249 | 228 | 281 | 260 | 298 | 280 | 274 | 290 | 278 | 313 | 23.1 | 33.9 |
| Agronomy and crop science | 17 | 13 | 17 | 10 | 18 | 16 | 14 | 21 | 19 | 14 | 11.9 | 25.5 |
| Animal breeding/genetics | 3 | 1 | 3 | 4 | 6 | 7 | 4 | 4 | 2 | 6 | 17.6 | 28.6 |
| Animal nutrition | 10 | 9 | 11 | 13 | 13 | 12 | 8 | 6 | 17 | 9 | 17.2 | 22.0 |
| Dairy science | 1 | 3 | 2 | 5 | 2 | 5 | 0 | 0 | 2 | 8 | 9.1 | 44.4 |
| Poultry science | 5 | 0 | 2 | 2 | 3 | 2 | 3 | 5 | 5 | 5 | 23.8 | 29.4 |

TABLE 2. Doctorates awarded to women, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | Percent women | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|------|
| | | | | | | | | | | | 1994 | 2003 |
| Animal sciences, other | 25 | 19 | 26 | 14 | 16 | 23 | 26 | 19 | 22 | 33 | 29.1 | 37.5 |
| Fisheries science and management | 11 | 9 | 10 | 5 | 8 | 7 | 11 | 9 | 13 | 12 | 22.9 | 25.5 |
| Wildlife/range management | 13 | 8 | 22 | 13 | 15 | 8 | 11 | 14 | 9 | 12 | 25.0 | 26.7 |
| Food engineering | 2 | 0 | 0 | 3 | 3 | 2 | 2 | 7 | 4 | 5 | 12.5 | 45.5 |
| Food sciences, other | 69 | 54 | 69 | 79 | 66 | 67 | 66 | 64 | 56 | 78 | 45.1 | 49.7 |
| Forest biology | 6 | 5 | 4 | 1 | 6 | 4 | 8 | 7 | 7 | 3 | 30.0 | 18.8 |
| Forest engineering | NA | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | NA | 0.0 |
| Forest management | 2 | 6 | 2 | 4 | 9 | 3 | 2 | 4 | 2 | 6 | 11.8 | 33.3 |
| Wood science and pulp/paper technology | 6 | 6 | 3 | 2 | 4 | 6 | 1 | 4 | 2 | 5 | 23.1 | 26.3 |
| Conservation/renewable natural resources | 6 | 5 | 3 | 7 | 11 | 9 | 5 | 18 | 12 | 13 | 28.6 | 27.7 |
| Forestry and related sciences, other | 6 | 13 | 18 | 15 | 16 | 16 | 17 | 16 | 16 | 15 | 10.2 | 31.9 |
| Horticulture science | 14 | 22 | 22 | 16 | 13 | 16 | 16 | 13 | 13 | 18 | 21.5 | 33.3 |
| Plant breeding/genetics | 13 | 15 | 13 | 9 | 14 | 13 | 23 | 10 | 12 | 13 | 16.0 | 26.0 |
| Plant pathology | 20 | 9 | 27 | 26 | 24 | 27 | 12 | 16 | 22 | 18 | 36.4 | 37.5 |
| Plant sciences, other | 9 | 3 | 3 | 7 | 14 | 12 | 10 | 10 | 11 | 10 | 37.5 | 34.5 |
| Soil chemistry/microbiology | 4 | 5 | 9 | 9 | 7 | 8 | 8 | 15 | 8 | 10 | 19.0 | 41.7 |
| Soil sciences, other | 6 | 18 | 14 | 8 | 21 | 11 | 15 | 15 | 16 | 13 | 8.7 | 26.0 |
| Agricultural sciences, general | 0 | 3 | 0 | 2 | 1 | 0 | 2 | 0 | 2 | 0 | 0.0 | 0.0 |
| Agricultural sciences, other | 1 | 2 | 1 | 4 | 8 | 6 | 10 | 13 | 6 | 7 | 9.1 | 46.7 |
| Biological science | 2,109 | 2,217 | 2,415 | 2,495 | 2,536 | 2,394 | 2,622 | 2,549 | 2,544 | 2,598 | 40.5 | 45.6 |
| Bacteriology | 11 | 6 | 8 | 1 | 4 | 6 | 6 | 10 | 7 | 2 | 61.1 | 33.3 |
| Biochemistry | 320 | 341 | 317 | 364 | 351 | 308 | 325 | 309 | 294 | 319 | 39.8 | 41.3 |
| Biomedical sciences ² | NA | 42 | 54 | 63 | 80 | 72 | 68 | 81 | 110 | 88 | NA | 48.1 |
| Biophysics | 33 | 46 | 41 | 41 | 47 | 49 | 49 | 47 | 34 | 53 | 26.8 | 32.9 |
| Biotechnology research | 2 | 2 | 1 | 3 | 4 | 2 | 6 | 3 | 5 | 7 | 14.3 | 29.2 |
| Plant genetics | 5 | 12 | 16 | 11 | 18 | 9 | 17 | 15 | 28 | 17 | 16.7 | 44.7 |
| Plant pathology | 11 | 10 | 13 | 8 | 8 | 12 | 8 | 11 | 15 | 12 | 27.5 | 44.4 |
| Plant physiology | 21 | 21 | 29 | 18 | 28 | 23 | 15 | 20 | 19 | 13 | 30.0 | 40.6 |
| Botany, other | 46 | 34 | 44 | 31 | 55 | 25 | 53 | 33 | 39 | 37 | 39.3 | 46.3 |
| Anatomy | 29 | 25 | 20 | 19 | 8 | 16 | 17 | 12 | 8 | 11 | 43.9 | 33.3 |
| Biometrics/biostatistics | 34 | 23 | 34 | 43 | 39 | 36 | 41 | 47 | 46 | 49 | 47.2 | 58.3 |
| Cell biology | 102 | 117 | 107 | 113 | 155 | 134 | 155 | 148 | 160 | 145 | 43.0 | 48.2 |
| Developmental biology/embryology | 32 | 29 | 49 | 61 | 61 | 54 | 60 | 53 | 34 | 70 | 51.6 | 56.0 |
| Ecology | 70 | 64 | 84 | 108 | 114 | 121 | 116 | 128 | 135 | 143 | 34.8 | 41.1 |
| Endocrinology | 8 | 6 | 13 | 9 | 14 | 9 | 8 | 7 | 6 | 12 | 30.8 | 57.1 |
| Entomology | 28 | 27 | 36 | 42 | 38 | 37 | 37 | 31 | 33 | 30 | 22.8 | 27.0 |
| Biological immunology | 74 | 82 | 129 | 93 | 115 | 100 | 116 | 122 | 146 | 121 | 46.0 | 46.4 |
| Microbiology | 177 | 188 | 185 | 185 | 169 | 164 | 189 | 181 | 177 | 159 | 41.8 | 43.8 |
| Molecular biology | 268 | 265 | 291 | 331 | 322 | 299 | 320 | 323 | 271 | 289 | 44.8 | 47.1 |
| Neuroscience | 129 | 121 | 165 | 190 | 169 | 181 | 195 | 200 | 202 | 201 | 45.4 | 42.6 |
| Nutritional sciences | 102 | 92 | 98 | 92 | 96 | 68 | 126 | 99 | 107 | 102 | 69.4 | 80.3 |
| Parasitology | 9 | 7 | 12 | 10 | 6 | 6 | 8 | 10 | 6 | 6 | 40.9 | 40.0 |
| Toxicology | 50 | 50 | 60 | 80 | 60 | 53 | 58 | 62 | 65 | 64 | 41.7 | 52.0 |
| Human/animal genetics | 87 | 92 | 101 | 103 | 91 | 105 | 115 | 106 | 109 | 122 | 42.9 | 54.2 |
| Human/animal pathology | 45 | 38 | 52 | 42 | 35 | 54 | 45 | 56 | 63 | 47 | 35.2 | 46.1 |
| Human/animal pharmacology | 106 | 129 | 142 | 143 | 120 | 113 | 123 | 115 | 113 | 126 | 40.9 | 46.0 |
| Human/animal physiology | 106 | 103 | 107 | 82 | 100 | 109 | 99 | 91 | 84 | 86 | 36.7 | 40.4 |

TABLE 2. Doctorates awarded to women, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | Percent women | |
|--|------|------|------|------|------|------|------|------|------|------|---------------|------|
| | | | | | | | | | | | 1994 | 2003 |
| Zoology, other | 32 | 50 | 31 | 34 | 43 | 47 | 55 | 40 | 46 | 56 | 27.4 | 44.1 |
| Biological sciences, general | 117 | 148 | 120 | 86 | 82 | 75 | 82 | 86 | 96 | 85 | 40.6 | 43.4 |
| Biological sciences, other | 55 | 47 | 56 | 89 | 104 | 107 | 110 | 103 | 86 | 126 | 34.4 | 53.2 |
| Earth, atmospheric, and ocean sciences | 183 | 170 | 172 | 209 | 219 | 210 | 230 | 236 | 242 | 259 | 22.2 | 33.1 |
| Atmospheric science | 26 | 23 | 22 | 25 | 30 | 22 | 33 | 28 | 31 | 39 | 20.2 | 28.1 |
| Atmospheric dynamics | 9 | 3 | 4 | 5 | 8 | 5 | 3 | 4 | 3 | 6 | 33.3 | 28.6 |
| Atmospheric physics/chemistry | 5 | 8 | 7 | 10 | 7 | 11 | 12 | 9 | 15 | 15 | 18.5 | 38.5 |
| Meteorology | 8 | 3 | 2 | 3 | 5 | 1 | 6 | 2 | 2 | 4 | 25.0 | 16.0 |
| Atmospheric science/meteorology, general | 4 | 7 | 5 | 5 | 8 | 2 | 7 | 10 | 6 | 5 | 10.8 | 15.2 |
| Atmospheric science/meteorology, other | 0 | 2 | 4 | 2 | 2 | 3 | 5 | 3 | 5 | 9 | 0.0 | 42.9 |
| Earth science | 95 | 91 | 88 | 119 | 127 | 112 | 108 | 115 | 121 | 104 | 18.7 | 27.9 |
| Geochemistry | 10 | 10 | 10 | 15 | 22 | 21 | 13 | 11 | 22 | 17 | 16.9 | 32.1 |
| Geology | 32 | 38 | 36 | 39 | 40 | 41 | 28 | 38 | 30 | 38 | 16.5 | 31.9 |
| Geomorphology/glacial geology | 2 | 4 | 1 | 4 | 8 | 9 | 4 | 3 | 6 | 3 | 15.4 | 15.0 |
| Geophysics/seismology | 24 | 19 | 14 | 19 | 21 | 15 | 16 | 22 | 24 | 17 | 22.6 | 22.7 |
| Hydrology/water resources | 3 | 4 | 5 | 8 | 8 | 5 | 16 | 14 | 10 | 4 | 10.0 | 15.4 |
| Mineralogy/petrology | 6 | 4 | 11 | 6 | 5 | 3 | 1 | 4 | 4 | 4 | 28.6 | 50.0 |
| Paleontology | 2 | 3 | 4 | 11 | 7 | 4 | 14 | 4 | 6 | 3 | 11.8 | 16.7 |
| Stratigraphy/sedimentation | 4 | 1 | 3 | 7 | 4 | 3 | 4 | 3 | 2 | 6 | 14.8 | 37.5 |
| Geological and related sciences, general | 1 | 4 | 2 | 4 | 5 | 1 | 5 | 6 | 3 | 2 | 5.6 | 25.0 |
| Geological and related sciences, other | 11 | 4 | 2 | 6 | 7 | 10 | 7 | 10 | 14 | 10 | 45.8 | 33.3 |
| Oceanography | 38 | 28 | 39 | 38 | 32 | 45 | 46 | 46 | 50 | 59 | 30.4 | 44.4 |
| Marine sciences | 11 | 8 | 5 | 8 | 3 | 9 | 17 | 15 | 17 | 21 | 32.4 | 58.3 |
| Oceanography | 27 | 20 | 34 | 30 | 29 | 36 | 29 | 31 | 33 | 38 | 29.7 | 39.2 |
| Other environmental sciences | 24 | 28 | 23 | 27 | 30 | 31 | 43 | 47 | 40 | 57 | 39.3 | 41.3 |
| Mathematics/computer science | 373 | 451 | 370 | 413 | 456 | 433 | 400 | 431 | 431 | 438 | 18.5 | 23.5 |
| Computer science | 137 | 186 | 139 | 150 | 159 | 156 | 141 | 155 | 166 | 175 | 15.2 | 20.2 |
| Computer science | 118 | 160 | 116 | 132 | 120 | 120 | 103 | 111 | 124 | 119 | 14.2 | 17.0 |
| Information science/systems | 19 | 26 | 23 | 18 | 39 | 36 | 38 | 27 | 26 | 24 | 27.1 | 36.9 |
| Computer and information science, other | NA | 17 | 16 | 32 | NA | 31.1 |
| Mathematics | 236 | 265 | 231 | 263 | 297 | 277 | 259 | 276 | 265 | 263 | 21.1 | 26.5 |
| Algebra | 24 | 24 | 18 | 20 | 18 | 25 | 21 | 20 | 15 | 23 | 30.8 | 33.8 |
| Analysis/functional analysis | 16 | 18 | 15 | 13 | 25 | 19 | 15 | 20 | 20 | 15 | 15.0 | 17.9 |
| Applied mathematics | 39 | 47 | 52 | 55 | 61 | 59 | 59 | 56 | 62 | 56 | 18.9 | 25.1 |
| Computing theory | 2 | 2 | 2 | 1 | 3 | 3 | 2 | 2 | 2 | 0 | 12.5 | 0.0 |
| Geometry | 4 | 8 | 14 | 13 | 15 | 16 | 8 | 7 | 12 | 10 | 11.4 | 20.8 |
| Logic | 6 | 7 | 1 | 5 | 5 | 5 | 2 | 6 | 5 | 5 | 20.7 | 27.8 |
| Mathematical statistics | 50 | 54 | 47 | 46 | 62 | 46 | 71 | 63 | 62 | 69 | 24.4 | 36.1 |
| Number theory | 5 | 9 | 7 | 11 | 7 | 12 | 5 | 8 | 5 | 7 | 13.5 | 15.2 |
| Operations research | 9 | 5 | 4 | 5 | 6 | 9 | 3 | 2 | 9 | 4 | 34.6 | 21.1 |
| Topology | 11 | 8 | 5 | 14 | 13 | 15 | 10 | 15 | 10 | 13 | 28.9 | 26.5 |
| Mathematics, general | 54 | 64 | 45 | 44 | 39 | 22 | 34 | 36 | 33 | 32 | 20.1 | 21.3 |
| Mathematics, other | 16 | 19 | 21 | 36 | 43 | 46 | 29 | 41 | 30 | 29 | 22.2 | 32.2 |
| Physical sciences | 828 | 878 | 842 | 852 | 926 | 831 | 835 | 838 | 861 | 892 | 20.8 | 26.9 |
| Astronomy | 25 | 30 | 41 | 37 | 45 | 33 | 40 | 41 | 28 | 41 | 17.4 | 24.6 |

TABLE 2. Doctorates awarded to women, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | Percent women | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|------|
| | | | | | | | | | | | 1994 | 2003 |
| Astronomy | 9 | 18 | 21 | 18 | 22 | 18 | 24 | 21 | 13 | 19 | 13.6 | 27.5 |
| Astrophysics | 16 | 12 | 20 | 19 | 23 | 15 | 16 | 20 | 15 | 22 | 20.5 | 22.4 |
| Chemistry | 625 | 661 | 605 | 613 | 695 | 632 | 624 | 628 | 647 | 647 | 27.7 | 31.8 |
| Analytical | 102 | 109 | 111 | 106 | 146 | 108 | 121 | 123 | 114 | 136 | 30.5 | 40.5 |
| Inorganic | 87 | 92 | 68 | 81 | 84 | 90 | 64 | 91 | 86 | 95 | 33.2 | 36.0 |
| Medicinal/pharmaceutical | 26 | 32 | 32 | 43 | 46 | 50 | 51 | 45 | 39 | 40 | 25.5 | 36.7 |
| Nuclear | 0 | 3 | 0 | 0 | 1 | 1 | 3 | 0 | 3 | 2 | 0.0 | 50.0 |
| Organic | 128 | 134 | 118 | 145 | 160 | 163 | 140 | 132 | 144 | 145 | 23.5 | 26.1 |
| Physical | 93 | 93 | 85 | 91 | 77 | 75 | 76 | 92 | 102 | 84 | 27.8 | 26.3 |
| Polymer | 23 | 28 | 30 | 25 | 40 | 31 | 31 | 33 | 35 | 25 | 19.7 | 22.7 |
| Theoretical | 17 | 10 | 14 | 11 | 10 | 9 | 12 | 6 | 17 | 12 | 32.7 | 24.5 |
| Chemistry, general | 126 | 135 | 119 | 76 | 88 | 52 | 81 | 72 | 61 | 68 | 28.2 | 36.6 |
| Chemistry, other | 23 | 25 | 28 | 35 | 43 | 53 | 45 | 34 | 46 | 40 | 41.8 | 38.8 |
| Physics | 175 | 182 | 193 | 193 | 177 | 160 | 163 | 160 | 177 | 193 | 11.3 | 17.9 |
| Acoustics | 2 | 3 | 2 | 4 | 6 | 1 | 1 | 1 | 1 | 5 | 10.0 | 20.0 |
| Chemical and atomic/molecular | 17 | 15 | 10 | 11 | 13 | 14 | 21 | 7 | 11 | 14 | 12.1 | 19.4 |
| Elementary particle | 16 | 7 | 19 | 21 | 11 | 17 | 15 | 9 | 28 | 15 | 9.1 | 11.2 |
| Fluids | 1 | 0 | 4 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 8.3 | 0.0 |
| Nuclear | 9 | 12 | 9 | 11 | 11 | 9 | 9 | 13 | 18 | 10 | 10.0 | 15.2 |
| Optics | 14 | 13 | 20 | 16 | 18 | 12 | 16 | 14 | 19 | 23 | 13.5 | 24.2 |
| Plasma and high-temperature | 8 | 5 | 2 | 2 | 2 | 2 | 0 | 3 | 3 | 2 | 10.1 | 6.3 |
| Polymer | 4 | 3 | 12 | 7 | 4 | 7 | 6 | 5 | 6 | 1 | 13.8 | 7.7 |
| Solid state and low-temperature | 53 | 57 | 54 | 51 | 37 | 42 | 42 | 32 | 48 | 48 | 13.7 | 17.6 |
| Physics, general | 30 | 41 | 39 | 36 | 29 | 22 | 31 | 23 | 21 | 25 | 8.7 | 14.5 |
| Physics, other | 21 | 26 | 22 | 34 | 46 | 32 | 22 | 52 | 20 | 50 | 12.6 | 26.3 |
| Other physical sciences | 3 | 5 | 3 | 9 | 9 | 6 | 8 | 9 | 9 | 11 | 10.7 | 30.6 |
| Psychology | 2,101 | 2,181 | 2,330 | 2,363 | 2,455 | 2,449 | 2,411 | 2,306 | 2,133 | 2,229 | 62.2 | 68.1 |
| Clinical | 842 | 870 | 920 | 894 | 966 | 1,033 | 992 | 891 | 852 | 845 | 65.5 | 71.4 |
| Cognitive psychology and psycholinguistics | 56 | 52 | 60 | 75 | 50 | 70 | 66 | 76 | 67 | 70 | 43.4 | 52.6 |
| Comparative | 7 | 1 | 2 | 3 | 4 | 7 | 2 | 1 | 1 | 2 | 87.5 | 50.0 |
| Counseling | 310 | 298 | 303 | 314 | 295 | 295 | 312 | 334 | 321 | 312 | 62.4 | 71.4 |
| Developmental and child | 132 | 121 | 154 | 170 | 207 | 149 | 163 | 159 | 141 | 144 | 73.7 | 80.9 |
| Educational | 39 | 53 | 66 | 45 | 39 | 44 | 63 | 31 | 38 | 42 | 56.5 | 80.8 |
| Experimental | 71 | 83 | 68 | 70 | 65 | 65 | 59 | 72 | 63 | 65 | 51.1 | 54.6 |
| Family and marriage counseling ² | NA | 37 | 28 | 43 | 28 | 38 | 29 | 22 | 35 | 42 | NA | 67.7 |
| Human/individual family development | 103 | 118 | 121 | 101 | 91 | 112 | 103 | 97 | 95 | 111 | 79.8 | 74.0 |
| Industrial/organizational | 69 | 89 | 99 | 103 | 110 | 99 | 113 | 105 | 85 | 84 | 50.4 | 54.2 |
| Personality | 12 | 9 | 11 | 13 | 15 | 11 | 14 | 6 | 12 | 11 | 63.2 | 64.7 |
| Physiological/psychobiology | 52 | 35 | 41 | 42 | 49 | 49 | 56 | 46 | 51 | 42 | 55.9 | 49.4 |
| Psychometrics | 1 | 4 | 3 | 7 | 5 | 2 | 5 | 2 | 2 | 4 | 20.0 | 57.1 |
| Quantitative | 8 | 9 | 7 | 10 | 8 | 7 | 2 | 5 | 6 | 3 | 47.1 | 27.3 |
| School | 53 | 62 | 71 | 66 | 81 | 89 | 78 | 90 | 68 | 72 | 63.1 | 70.6 |
| Social | 100 | 84 | 111 | 116 | 117 | 115 | 135 | 107 | 104 | 129 | 65.4 | 63.9 |
| Psychology, general | 158 | 185 | 181 | 199 | 201 | 132 | 134 | 152 | 86 | 143 | 56.4 | 63.3 |
| Psychology, other | 88 | 71 | 84 | 92 | 124 | 132 | 85 | 110 | 106 | 108 | 56.4 | 71.5 |
| Social sciences ¹ | 1,444 | 1,465 | 1,462 | 1,592 | 1,684 | 1,696 | 1,784 | 1,750 | 1,781 | 1,847 | 37.0 | 44.6 |

TABLE 2. Doctorates awarded to women, by field of study and year of doctorate: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | Percent women | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|------|
| | | | | | | | | | | | 1994 | 2003 |
| Economics | 249 | 279 | 263 | 266 | 312 | 291 | 293 | 306 | 281 | 302 | 22.6 | 28.7 |
| Agricultural economics | 20 | 42 | 37 | 34 | 40 | 39 | 38 | 46 | 32 | 40 | 12.3 | 33.6 |
| Econometrics | 4 | 4 | 8 | 4 | 4 | 5 | 3 | 2 | 2 | 6 | 15.4 | 26.1 |
| Economics | 225 | 233 | 218 | 228 | 268 | 247 | 252 | 258 | 247 | 256 | 24.6 | 28.2 |
| Political science | 282 | 265 | 305 | 298 | 364 | 356 | 365 | 330 | 394 | 397 | 30.3 | 38.7 |
| International relations and affairs | 24 | 21 | 32 | 19 | 32 | 38 | 26 | 31 | 34 | 27 | 21.4 | 27.3 |
| Political science/government | 173 | 166 | 186 | 197 | 243 | 216 | 235 | 214 | 252 | 250 | 29.4 | 37.9 |
| Public administration | 47 | 43 | 37 | 30 | 48 | 46 | 42 | 41 | 35 | 50 | 34.8 | 41.3 |
| Public policy analysis | 38 | 35 | 50 | 52 | 41 | 56 | 62 | 44 | 73 | 70 | 40.4 | 47.9 |
| Sociology | 283 | 294 | 276 | 334 | 317 | 342 | 376 | 337 | 345 | 361 | 51.6 | 59.0 |
| Demography/population studies | 12 | 6 | 2 | 16 | 13 | 17 | 10 | 8 | 12 | 9 | 52.2 | 60.0 |
| Sociology | 271 | 288 | 274 | 318 | 304 | 325 | 366 | 329 | 333 | 352 | 51.6 | 59.0 |
| Other social sciences | 630 | 627 | 618 | 694 | 691 | 707 | 750 | 777 | 761 | 787 | 47.6 | 54.3 |
| American studies | 48 | 53 | 67 | 47 | 52 | 56 | 63 | 87 | 56 | 66 | 54.5 | 70.2 |
| Anthropology | 208 | 219 | 214 | 241 | 239 | 263 | 252 | 244 | 289 | 288 | 54.2 | 61.0 |
| Archaeology | 17 | 18 | 11 | 20 | 23 | 12 | 24 | 19 | 15 | 20 | 50.0 | 60.6 |
| Area studies | 17 | 12 | 9 | 5 | 11 | 3 | 4 | 10 | 14 | 7 | 50.0 | 58.3 |
| Criminology | 12 | 23 | 25 | 25 | 22 | 20 | 34 | 29 | 30 | 30 | 29.3 | 39.5 |
| Geography | 35 | 43 | 45 | 54 | 49 | 49 | 70 | 66 | 64 | 65 | 24.0 | 38.7 |
| History/philosophy of science and technology | 10 | 17 | 10 | 13 | 20 | 18 | 17 | 8 | 11 | 23 | 37.0 | 50.0 |
| Linguistics | 134 | 102 | 113 | 135 | 123 | 148 | 135 | 136 | 114 | 132 | 60.6 | 58.9 |
| Statistics | 16 | 11 | 7 | 23 | 21 | 21 | 22 | 22 | 23 | 19 | 34.8 | 39.6 |
| Urban affairs and studies | 44 | 37 | 39 | 29 | 26 | 17 | 28 | 33 | 35 | 32 | 33.1 | 41.0 |
| Social sciences, general | 9 | 23 | 15 | 14 | 17 | 14 | 20 | 20 | 17 | 11 | 42.9 | 40.7 |
| Social sciences, other | 80 | 69 | 63 | 88 | 88 | 86 | 81 | 103 | 93 | 94 | 54.1 | 54.7 |
| Non-S&E ¹ | 7,900 | 8,131 | 8,307 | 8,307 | 8,500 | 8,398 | 8,731 | 8,619 | 8,965 | 8,930 | 53.3 | 57.8 |
| Education | 4,090 | 4,093 | 4,187 | 4,120 | 4,130 | 4,195 | 4,172 | 4,095 | 4,290 | 4,363 | 60.9 | 65.8 |
| Health | 843 | 843 | 860 | 936 | 1,006 | 899 | 1,066 | 1,032 | 1,124 | 1,085 | 65.0 | 66.4 |
| Humanities ¹ | 2,054 | 2,256 | 2,343 | 2,381 | 2,469 | 2,418 | 2,593 | 2,578 | 2,505 | 2,504 | 47.0 | 49.9 |
| Professional/other/unknown | 913 | 939 | 917 | 870 | 895 | 886 | 900 | 914 | 1,046 | 978 | 37.3 | 44.9 |

NA = not available (i.e., the subfield was not identified separately in the questionnaire for that year).

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.² These subfields were introduced in 1995: "Biomedical sciences" and "Family and marriage counseling."

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total | | | | | | | | | | |
| Grand total, all fields | 41,034 | 41,748 | 42,436 | 42,540 | 42,645 | 41,090 | 41,357 | 40,808 | 39,964 | 40,710 |
| Science and engineering ¹ | 26,204 | 26,535 | 27,240 | 27,232 | 27,278 | 25,932 | 25,966 | 25,540 | 24,571 | 25,258 |
| Engineering | 5,821 | 6,008 | 6,309 | 6,115 | 5,924 | 5,330 | 5,321 | 5,502 | 5,071 | 5,265 |
| Aeronautical/astronautical | 230 | 252 | 287 | 273 | 241 | 206 | 214 | 203 | 208 | 199 |
| Chemical | 725 | 708 | 798 | 767 | 776 | 674 | 725 | 728 | 705 | 643 |
| Civil | 683 | 656 | 698 | 655 | 650 | 584 | 556 | 594 | 625 | 672 |
| Electrical | 1,673 | 1,731 | 1,741 | 1,720 | 1,596 | 1,478 | 1,544 | 1,576 | 1,392 | 1,463 |
| Industrial | 228 | 284 | 259 | 246 | 229 | 211 | 176 | 205 | 230 | 211 |
| Materials/metallurgical | 539 | 588 | 574 | 582 | 565 | 469 | 451 | 497 | 396 | 473 |
| Mechanical | 1,015 | 1,025 | 1,052 | 1,022 | 1,022 | 855 | 864 | 953 | 827 | 814 |
| Other engineering | 728 | 764 | 900 | 850 | 845 | 853 | 791 | 746 | 688 | 790 |
| Sciences ¹ | 20,383 | 20,527 | 20,931 | 21,117 | 21,354 | 20,602 | 20,645 | 20,038 | 19,500 | 19,993 |
| Agricultural sciences | 1,078 | 1,036 | 1,035 | 982 | 1,037 | 966 | 943 | 853 | 893 | 922 |
| Biological sciences | 5,202 | 5,376 | 5,723 | 5,789 | 5,845 | 5,582 | 5,854 | 5,690 | 5,687 | 5,694 |
| Computer sciences | 903 | 997 | 920 | 909 | 927 | 855 | 859 | 826 | 807 | 866 |
| Earth, atmospheric, and ocean sciences | 824 | 780 | 794 | 878 | 814 | 805 | 758 | 749 | 785 | 783 |
| Mathematics | 1,118 | 1,190 | 1,122 | 1,123 | 1,177 | 1,083 | 1,050 | 1,007 | 918 | 994 |
| Physical sciences | 3,977 | 3,841 | 3,839 | 3,769 | 3,824 | 3,579 | 3,407 | 3,393 | 3,209 | 3,320 |
| Astronomy | 144 | 173 | 192 | 198 | 206 | 159 | 185 | 186 | 144 | 167 |
| Chemistry | 2,257 | 2,162 | 2,149 | 2,148 | 2,216 | 2,132 | 1,989 | 1,980 | 1,923 | 2,037 |
| Physics | 1,548 | 1,479 | 1,485 | 1,401 | 1,378 | 1,271 | 1,204 | 1,197 | 1,124 | 1,080 |
| Other physical sciences | 28 | 27 | 13 | 22 | 24 | 17 | 29 | 30 | 18 | 36 |
| Psychology | 3,379 | 3,429 | 3,495 | 3,557 | 3,675 | 3,668 | 3,618 | 3,442 | 3,198 | 3,275 |
| Social sciences ¹ | 3,902 | 3,878 | 4,003 | 4,110 | 4,055 | 4,064 | 4,156 | 4,078 | 4,003 | 4,139 |
| Non-S&E ¹ | 14,830 | 15,213 | 15,196 | 15,308 | 15,367 | 15,158 | 15,391 | 15,268 | 15,393 | 15,452 |
| Education | 6,711 | 6,650 | 6,785 | 6,574 | 6,571 | 6,546 | 6,429 | 6,337 | 6,487 | 6,627 |
| Health | 1,296 | 1,329 | 1,324 | 1,421 | 1,500 | 1,407 | 1,591 | 1,620 | 1,655 | 1,633 |
| Humanities ¹ | 4,372 | 4,691 | 4,712 | 5,034 | 5,116 | 5,034 | 5,213 | 5,160 | 5,009 | 5,015 |
| Professional/other/unknown | 2,451 | 2,543 | 2,375 | 2,279 | 2,180 | 2,171 | 2,158 | 2,151 | 2,242 | 2,177 |
| Total, men | | | | | | | | | | |
| Grand total, all fields | 25,058 | 25,161 | 25,285 | 24,943 | 24,633 | 23,434 | 23,166 | 22,791 | 21,771 | 22,188 |
| Science and engineering ¹ | 18,164 | 18,117 | 18,453 | 18,083 | 17,810 | 16,735 | 16,521 | 16,172 | 15,372 | 15,716 |
| Engineering | 5,150 | 5,270 | 5,488 | 5,316 | 5,111 | 4,504 | 4,459 | 4,565 | 4,170 | 4,346 |
| Aeronautical/astronautical | 219 | 237 | 262 | 254 | 225 | 188 | 191 | 174 | 184 | 172 |
| Chemical | 609 | 597 | 653 | 641 | 630 | 550 | 571 | 546 | 527 | 488 |
| Civil | 598 | 575 | 616 | 571 | 544 | 495 | 466 | 482 | 504 | 544 |
| Electrical | 1,516 | 1,545 | 1,556 | 1,560 | 1,429 | 1,310 | 1,339 | 1,372 | 1,223 | 1,276 |
| Industrial | 195 | 231 | 208 | 205 | 188 | 169 | 140 | 160 | 162 | 156 |
| Materials/metallurgical | 452 | 489 | 483 | 470 | 477 | 376 | 367 | 392 | 315 | 372 |
| Mechanical | 940 | 954 | 963 | 928 | 922 | 751 | 767 | 860 | 729 | 726 |
| Other engineering | 621 | 642 | 747 | 687 | 696 | 665 | 618 | 579 | 526 | 612 |
| Sciences ¹ | 13,014 | 12,847 | 12,965 | 12,767 | 12,699 | 12,231 | 12,062 | 11,607 | 11,202 | 11,370 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Agricultural sciences | 827 | 804 | 754 | 715 | 738 | 682 | 669 | 557 | 613 | 606 |
| Biological sciences | 3,075 | 3,132 | 3,286 | 3,262 | 3,294 | 3,171 | 3,226 | 3,133 | 3,142 | 3,083 |
| Computer sciences | 762 | 808 | 775 | 743 | 765 | 692 | 716 | 669 | 638 | 690 |
| Earth, atmospheric, and ocean sciences | 635 | 608 | 614 | 663 | 592 | 591 | 523 | 512 | 541 | 523 |
| Mathematics | 879 | 919 | 881 | 851 | 872 | 803 | 790 | 731 | 650 | 729 |
| Physical sciences | 3,128 | 2,944 | 2,970 | 2,893 | 2,879 | 2,733 | 2,567 | 2,551 | 2,346 | 2,418 |
| Astronomy | 119 | 143 | 151 | 161 | 161 | 126 | 145 | 145 | 116 | 126 |
| Chemistry | 1,621 | 1,488 | 1,526 | 1,523 | 1,509 | 1,493 | 1,361 | 1,349 | 1,275 | 1,385 |
| Physics | 1,364 | 1,291 | 1,283 | 1,196 | 1,195 | 1,103 | 1,040 | 1,036 | 946 | 882 |
| Other physical sciences | 24 | 22 | 10 | 13 | 14 | 11 | 21 | 21 | 9 | 25 |
| Psychology | 1,273 | 1,245 | 1,162 | 1,162 | 1,206 | 1,209 | 1,204 | 1,132 | 1,061 | 1,042 |
| Social sciences ¹ | 2,435 | 2,387 | 2,523 | 2,478 | 2,353 | 2,350 | 2,367 | 2,322 | 2,211 | 2,279 |
| Non-S&E ¹ | 6,894 | 7,044 | 6,832 | 6,860 | 6,823 | 6,699 | 6,645 | 6,619 | 6,399 | 6,472 |
| Education | 2,612 | 2,547 | 2,579 | 2,394 | 2,424 | 2,334 | 2,254 | 2,237 | 2,186 | 2,239 |
| Health | 444 | 477 | 456 | 469 | 489 | 499 | 523 | 576 | 530 | 541 |
| Humanities ¹ | 2,307 | 2,429 | 2,352 | 2,618 | 2,638 | 2,590 | 2,616 | 2,575 | 2,497 | 2,501 |
| Professional/other/unknown | 1,531 | 1,591 | 1,445 | 1,379 | 1,272 | 1,276 | 1,252 | 1,231 | 1,186 | 1,191 |
| Total, women | | | | | | | | | | |
| Grand total, all fields | 15,822 | 16,417 | 16,956 | 17,241 | 17,848 | 17,479 | 18,124 | 17,947 | 18,123 | 18,402 |
| Science and engineering ¹ | 7,922 | 8,286 | 8,649 | 8,934 | 9,348 | 9,081 | 9,393 | 9,328 | 9,158 | 9,472 |
| Engineering | 635 | 696 | 777 | 750 | 774 | 788 | 837 | 928 | 888 | 896 |
| Aeronautical/astronautical | 11 | 14 | 24 | 16 | 15 | 17 | 21 | 28 | 24 | 27 |
| Chemical | 113 | 109 | 143 | 122 | 140 | 123 | 151 | 180 | 176 | 154 |
| Civil | 80 | 76 | 79 | 80 | 100 | 89 | 88 | 111 | 120 | 125 |
| Electrical | 147 | 173 | 169 | 150 | 156 | 155 | 195 | 203 | 163 | 179 |
| Industrial | 33 | 50 | 51 | 40 | 40 | 42 | 35 | 44 | 67 | 53 |
| Materials/metallurgical | 83 | 95 | 84 | 106 | 84 | 88 | 83 | 105 | 80 | 101 |
| Mechanical | 69 | 64 | 78 | 88 | 93 | 96 | 96 | 91 | 96 | 84 |
| Other engineering | 99 | 115 | 149 | 148 | 146 | 178 | 168 | 166 | 162 | 173 |
| Sciences ¹ | 7,287 | 7,590 | 7,872 | 8,184 | 8,574 | 8,293 | 8,556 | 8,400 | 8,270 | 8,576 |
| Agricultural sciences | 249 | 228 | 281 | 260 | 298 | 280 | 274 | 290 | 278 | 313 |
| Biological sciences | 2,109 | 2,217 | 2,415 | 2,495 | 2,536 | 2,394 | 2,622 | 2,549 | 2,544 | 2,598 |
| Computer sciences | 137 | 186 | 139 | 150 | 159 | 156 | 141 | 155 | 166 | 175 |
| Earth, atmospheric, and ocean sciences | 183 | 170 | 172 | 209 | 219 | 210 | 230 | 236 | 242 | 259 |
| Mathematics | 236 | 265 | 231 | 263 | 297 | 277 | 259 | 276 | 265 | 263 |
| Physical sciences | 828 | 878 | 842 | 852 | 926 | 831 | 835 | 838 | 861 | 892 |
| Astronomy | 25 | 30 | 41 | 37 | 45 | 33 | 40 | 41 | 28 | 41 |
| Chemistry | 625 | 661 | 605 | 613 | 695 | 632 | 624 | 628 | 647 | 647 |
| Physics | 175 | 182 | 193 | 193 | 177 | 160 | 163 | 160 | 177 | 193 |
| Other physical sciences | 3 | 5 | 3 | 9 | 9 | 6 | 8 | 9 | 9 | 11 |
| Psychology | 2,101 | 2,181 | 2,330 | 2,363 | 2,455 | 2,449 | 2,411 | 2,306 | 2,133 | 2,229 |
| Social sciences ¹ | 1,444 | 1,465 | 1,462 | 1,592 | 1,684 | 1,696 | 1,784 | 1,750 | 1,781 | 1,847 |
| Non-S&E ¹ | 7,900 | 8,131 | 8,307 | 8,307 | 8,500 | 8,398 | 8,731 | 8,619 | 8,965 | 8,930 |
| Education | 4,090 | 4,093 | 4,187 | 4,120 | 4,130 | 4,195 | 4,172 | 4,095 | 4,290 | 4,363 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Health | 843 | 843 | 860 | 936 | 1,006 | 899 | 1,066 | 1,032 | 1,124 | 1,085 |
| Humanities ¹ | 2,054 | 2,256 | 2,343 | 2,381 | 2,469 | 2,418 | 2,593 | 2,578 | 2,505 | 2,504 |
| Professional/other/unknown | 913 | 939 | 917 | 870 | 895 | 886 | 900 | 914 | 1,046 | 978 |
| U.S. citizens or permanent residents | | | | | | | | | | |
| Grand total, all fields | 30,897 | 32,059 | 31,540 | 31,082 | 31,158 | 30,292 | 29,928 | 28,869 | 27,646 | 28,044 |
| Science and engineering ¹ | 18,188 | 18,996 | 18,647 | 18,393 | 18,256 | 17,565 | 17,114 | 16,338 | 15,508 | 15,669 |
| Engineering | 3,053 | 3,342 | 3,389 | 3,332 | 3,044 | 2,888 | 2,571 | 2,439 | 2,163 | 2,163 |
| Aeronautical/astronautical | 130 | 153 | 184 | 168 | 152 | 112 | 127 | 102 | 91 | 80 |
| Chemical | 380 | 381 | 391 | 409 | 374 | 371 | 382 | 358 | 336 | 292 |
| Civil | 292 | 309 | 305 | 327 | 297 | 312 | 261 | 269 | 247 | 269 |
| Electrical | 899 | 971 | 929 | 940 | 804 | 766 | 648 | 560 | 507 | 494 |
| Industrial | 119 | 149 | 136 | 119 | 101 | 99 | 77 | 87 | 81 | 70 |
| Materials/metallurgical | 297 | 352 | 337 | 315 | 313 | 260 | 244 | 225 | 174 | 200 |
| Mechanical | 538 | 563 | 588 | 538 | 515 | 463 | 396 | 427 | 342 | 332 |
| Other engineering | 398 | 464 | 519 | 516 | 488 | 505 | 436 | 411 | 385 | 426 |
| Sciences ¹ | 15,135 | 15,654 | 15,258 | 15,061 | 15,212 | 14,677 | 14,543 | 13,899 | 13,345 | 13,506 |
| Agricultural sciences | 616 | 598 | 575 | 550 | 543 | 494 | 502 | 431 | 421 | 477 |
| Biological sciences | 4,088 | 4,329 | 4,364 | 4,256 | 4,308 | 4,124 | 4,268 | 4,243 | 4,111 | 4,047 |
| Computer sciences | 543 | 616 | 514 | 520 | 561 | 492 | 457 | 423 | 419 | 440 |
| Earth, atmospheric, and ocean sciences | 613 | 594 | 558 | 607 | 562 | 526 | 510 | 467 | 494 | 512 |
| Mathematics | 657 | 771 | 648 | 629 | 669 | 605 | 574 | 524 | 442 | 516 |
| Physical sciences | 2,789 | 2,841 | 2,571 | 2,497 | 2,455 | 2,277 | 2,092 | 2,045 | 1,939 | 1,966 |
| Astronomy | 112 | 141 | 149 | 158 | 147 | 117 | 139 | 123 | 109 | 130 |
| Chemistry | 1,616 | 1,624 | 1,463 | 1,439 | 1,467 | 1,406 | 1,241 | 1,230 | 1,229 | 1,262 |
| Physics | 1,044 | 1,059 | 949 | 883 | 823 | 742 | 692 | 677 | 589 | 552 |
| Other physical sciences | 17 | 17 | 10 | 17 | 18 | 12 | 20 | 15 | 12 | 22 |
| Psychology | 3,136 | 3,184 | 3,233 | 3,125 | 3,274 | 3,292 | 3,231 | 3,033 | 2,794 | 2,846 |
| Social sciences ¹ | 2,693 | 2,721 | 2,795 | 2,877 | 2,840 | 2,867 | 2,909 | 2,733 | 2,725 | 2,702 |
| Non-S&E ¹ | 12,709 | 13,063 | 12,893 | 12,689 | 12,902 | 12,727 | 12,814 | 12,531 | 12,138 | 12,375 |
| Education | 6,066 | 5,995 | 6,075 | 5,747 | 5,745 | 5,814 | 5,680 | 5,450 | 5,395 | 5,631 |
| Health | 1,050 | 1,043 | 1,016 | 1,028 | 1,154 | 1,049 | 1,195 | 1,157 | 1,191 | 1,225 |
| Humanities ¹ | 3,765 | 4,056 | 4,047 | 4,235 | 4,327 | 4,292 | 4,391 | 4,379 | 4,111 | 4,130 |
| Professional/other/unknown | 1,828 | 1,969 | 1,755 | 1,679 | 1,676 | 1,572 | 1,548 | 1,545 | 1,441 | 1,389 |
| U.S. citizens or permanent residents, men | | | | | | | | | | |
| Grand total, all fields | 17,369 | 17,872 | 17,203 | 16,881 | 16,537 | 15,892 | 15,290 | 14,636 | 13,718 | 13,855 |
| Science and engineering ¹ | 11,692 | 12,081 | 11,682 | 11,391 | 11,067 | 10,494 | 9,980 | 9,427 | 8,807 | 8,866 |
| Engineering | 2,604 | 2,822 | 2,863 | 2,819 | 2,586 | 2,397 | 2,080 | 1,961 | 1,721 | 1,726 |
| Aeronautical/astronautical | 121 | 141 | 166 | 156 | 140 | 102 | 113 | 83 | 80 | 69 |
| Chemical | 302 | 293 | 293 | 332 | 297 | 296 | 282 | 265 | 248 | 220 |
| Civil | 237 | 257 | 258 | 269 | 239 | 251 | 213 | 203 | 190 | 200 |
| Electrical | 810 | 851 | 823 | 834 | 712 | 685 | 555 | 493 | 441 | 430 |
| Industrial | 90 | 115 | 100 | 91 | 77 | 68 | 59 | 60 | 49 | 48 |
| Materials/metallurgical | 233 | 273 | 273 | 244 | 262 | 206 | 190 | 171 | 128 | 155 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mechanical | 484 | 514 | 528 | 482 | 461 | 403 | 340 | 389 | 298 | 292 |
| Other engineering | 327 | 378 | 422 | 411 | 398 | 386 | 328 | 297 | 287 | 312 |
| Sciences ¹ | 9,088 | 9,259 | 8,819 | 8,572 | 8,481 | 8,097 | 7,900 | 7,466 | 7,086 | 7,140 |
| Agricultural sciences | 456 | 463 | 401 | 394 | 360 | 333 | 336 | 266 | 268 | 317 |
| Biological sciences | 2,345 | 2,469 | 2,423 | 2,333 | 2,385 | 2,260 | 2,281 | 2,272 | 2,193 | 2,134 |
| Computer sciences | 449 | 473 | 423 | 419 | 437 | 387 | 371 | 325 | 322 | 343 |
| Earth, atmospheric, and ocean sciences | 469 | 450 | 428 | 442 | 391 | 373 | 342 | 304 | 307 | 327 |
| Mathematics | 506 | 588 | 503 | 452 | 470 | 413 | 409 | 370 | 308 | 364 |
| Physical sciences | 2,164 | 2,132 | 1,961 | 1,909 | 1,849 | 1,724 | 1,546 | 1,518 | 1,398 | 1,399 |
| Astronomy | 91 | 116 | 114 | 132 | 120 | 91 | 104 | 94 | 87 | 99 |
| Chemistry | 1,152 | 1,087 | 1,024 | 1,007 | 1,003 | 980 | 819 | 822 | 808 | 847 |
| Physics | 907 | 915 | 815 | 759 | 715 | 647 | 609 | 590 | 497 | 439 |
| Other physical sciences | 14 | 14 | 8 | 11 | 11 | 6 | 14 | 12 | 6 | 14 |
| Psychology | 1,169 | 1,127 | 1,048 | 1,014 | 1,058 | 1,063 | 1,052 | 983 | 916 | 892 |
| Social sciences ¹ | 1,530 | 1,557 | 1,632 | 1,609 | 1,531 | 1,544 | 1,563 | 1,428 | 1,374 | 1,364 |
| Non-S&E ¹ | 5,677 | 5,791 | 5,521 | 5,490 | 5,470 | 5,398 | 5,310 | 5,209 | 4,911 | 4,989 |
| Education | 2,307 | 2,243 | 2,243 | 2,051 | 2,049 | 2,013 | 1,925 | 1,889 | 1,796 | 1,853 |
| Health | 328 | 324 | 293 | 287 | 310 | 329 | 341 | 340 | 339 | 354 |
| Humanities ¹ | 1,976 | 2,076 | 2,001 | 2,197 | 2,217 | 2,209 | 2,215 | 2,153 | 2,071 | 2,080 |
| Professional/other/unknown | 1,066 | 1,148 | 984 | 955 | 894 | 847 | 829 | 827 | 705 | 702 |
| U.S. citizens or permanent residents, women | | | | | | | | | | |
| Grand total, all fields | 13,524 | 14,184 | 14,337 | 14,168 | 14,591 | 14,400 | 14,633 | 14,233 | 13,927 | 14,185 |
| Science and engineering ¹ | 6,495 | 6,913 | 6,965 | 6,988 | 7,171 | 7,071 | 7,132 | 6,911 | 6,700 | 6,801 |
| Engineering | 448 | 520 | 526 | 512 | 452 | 491 | 491 | 478 | 442 | 437 |
| Aeronautical/astronautical | 9 | 12 | 18 | 12 | 12 | 10 | 14 | 19 | 11 | 11 |
| Chemical | 78 | 88 | 98 | 77 | 76 | 75 | 100 | 93 | 88 | 72 |
| Civil | 55 | 52 | 47 | 58 | 58 | 61 | 48 | 66 | 57 | 69 |
| Electrical | 88 | 120 | 106 | 106 | 91 | 81 | 93 | 67 | 66 | 64 |
| Industrial | 29 | 34 | 36 | 28 | 24 | 31 | 18 | 27 | 32 | 22 |
| Materials/metallurgical | 64 | 79 | 64 | 71 | 51 | 54 | 54 | 54 | 46 | 45 |
| Mechanical | 54 | 49 | 60 | 55 | 50 | 60 | 56 | 38 | 44 | 40 |
| Other engineering | 71 | 86 | 97 | 105 | 90 | 119 | 108 | 114 | 98 | 114 |
| Sciences ¹ | 6,047 | 6,393 | 6,439 | 6,476 | 6,719 | 6,580 | 6,641 | 6,433 | 6,258 | 6,364 |
| Agricultural sciences | 160 | 135 | 174 | 155 | 183 | 161 | 166 | 165 | 152 | 160 |
| Biological sciences | 1,743 | 1,859 | 1,941 | 1,920 | 1,921 | 1,864 | 1,987 | 1,971 | 1,918 | 1,911 |
| Computer sciences | 94 | 143 | 91 | 100 | 123 | 105 | 86 | 98 | 97 | 97 |
| Earth, atmospheric, and ocean sciences | 144 | 144 | 130 | 164 | 171 | 153 | 168 | 163 | 187 | 185 |
| Mathematics | 151 | 183 | 145 | 177 | 198 | 192 | 164 | 154 | 134 | 152 |
| Physical sciences | 625 | 708 | 610 | 587 | 604 | 553 | 546 | 527 | 541 | 567 |
| Astronomy | 21 | 25 | 35 | 26 | 27 | 26 | 35 | 29 | 22 | 31 |
| Chemistry | 464 | 537 | 439 | 431 | 463 | 426 | 422 | 408 | 421 | 415 |
| Physics | 137 | 143 | 134 | 124 | 107 | 95 | 83 | 87 | 92 | 113 |
| Other physical sciences | 3 | 3 | 2 | 6 | 7 | 6 | 6 | 3 | 6 | 8 |
| Psychology | 1,967 | 2,057 | 2,185 | 2,106 | 2,211 | 2,229 | 2,178 | 2,050 | 1,878 | 1,954 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Social sciences ¹ | 1,163 | 1,164 | 1,163 | 1,267 | 1,308 | 1,323 | 1,346 | 1,305 | 1,351 | 1,338 |
| Non-S&E ¹ | 7,029 | 7,271 | 7,372 | 7,180 | 7,420 | 7,329 | 7,501 | 7,322 | 7,227 | 7,384 |
| Education | 3,757 | 3,752 | 3,832 | 3,687 | 3,690 | 3,801 | 3,754 | 3,561 | 3,599 | 3,776 |
| Health | 722 | 719 | 723 | 740 | 844 | 720 | 854 | 817 | 852 | 871 |
| Humanities ¹ | 1,788 | 1,980 | 2,046 | 2,033 | 2,106 | 2,083 | 2,175 | 2,226 | 2,040 | 2,050 |
| Professional/other/unknown | 762 | 820 | 771 | 720 | 780 | 725 | 718 | 718 | 736 | 687 |
| U.S. citizens | | | | | | | | | | |
| Grand total, all fields | 27,149 | 27,742 | 27,775 | 28,151 | 28,456 | 27,984 | 27,978 | 27,031 | 25,997 | 26,413 |
| Science and engineering ¹ | 15,166 | 15,487 | 15,638 | 16,112 | 16,237 | 15,912 | 15,705 | 15,060 | 14,342 | 14,571 |
| Engineering | 2,215 | 2,386 | 2,596 | 2,739 | 2,565 | 2,485 | 2,221 | 2,140 | 1,892 | 1,898 |
| Aeronautical/astronautical | 110 | 140 | 166 | 155 | 139 | 103 | 117 | 94 | 81 | 70 |
| Chemical | 293 | 291 | 318 | 321 | 328 | 333 | 339 | 329 | 302 | 272 |
| Civil | 203 | 206 | 212 | 249 | 246 | 261 | 221 | 222 | 210 | 239 |
| Electrical | 634 | 683 | 708 | 753 | 638 | 639 | 532 | 465 | 424 | 403 |
| Industrial | 89 | 108 | 107 | 102 | 84 | 86 | 67 | 72 | 71 | 54 |
| Materials/metallurgical | 218 | 238 | 245 | 271 | 265 | 225 | 221 | 202 | 164 | 176 |
| Mechanical | 359 | 383 | 436 | 456 | 433 | 398 | 341 | 385 | 285 | 287 |
| Other engineering | 309 | 337 | 404 | 432 | 432 | 440 | 383 | 371 | 355 | 397 |
| Sciences ¹ | 12,951 | 13,101 | 13,042 | 13,373 | 13,672 | 13,427 | 13,484 | 12,920 | 12,450 | 12,673 |
| Agricultural sciences | 519 | 492 | 472 | 467 | 464 | 443 | 447 | 403 | 390 | 443 |
| Biological sciences | 3,422 | 3,494 | 3,546 | 3,670 | 3,756 | 3,660 | 3,904 | 3,899 | 3,796 | 3,782 |
| Computer sciences | 426 | 484 | 422 | 430 | 476 | 420 | 388 | 367 | 355 | 384 |
| Earth, atmospheric, and ocean sciences | 507 | 478 | 462 | 537 | 500 | 475 | 475 | 430 | 458 | 474 |
| Mathematics | 504 | 554 | 490 | 530 | 576 | 539 | 518 | 469 | 411 | 470 |
| Physical sciences | 2,198 | 2,137 | 2,078 | 2,131 | 2,141 | 2,035 | 1,890 | 1,861 | 1,778 | 1,815 |
| Astronomy | 103 | 120 | 137 | 151 | 132 | 111 | 127 | 119 | 104 | 125 |
| Chemistry | 1,291 | 1,238 | 1,170 | 1,234 | 1,288 | 1,256 | 1,119 | 1,127 | 1,136 | 1,169 |
| Physics | 789 | 764 | 762 | 731 | 705 | 657 | 625 | 602 | 527 | 500 |
| Other physical sciences | 15 | 15 | 9 | 15 | 16 | 11 | 19 | 13 | 11 | 21 |
| Psychology | 3,052 | 3,083 | 3,129 | 3,036 | 3,181 | 3,222 | 3,156 | 2,958 | 2,723 | 2,776 |
| Social sciences ¹ | 2,323 | 2,379 | 2,443 | 2,572 | 2,578 | 2,633 | 2,706 | 2,533 | 2,539 | 2,529 |
| Non-S&E ¹ | 11,983 | 12,255 | 12,137 | 12,039 | 12,219 | 12,072 | 12,273 | 11,971 | 11,655 | 11,842 |
| Education | 5,867 | 5,777 | 5,879 | 5,582 | 5,573 | 5,636 | 5,554 | 5,334 | 5,283 | 5,501 |
| Health | 961 | 938 | 933 | 959 | 1,072 | 972 | 1,120 | 1,088 | 1,123 | 1,166 |
| Humanities ¹ | 3,485 | 3,748 | 3,728 | 3,946 | 4,023 | 4,008 | 4,159 | 4,113 | 3,910 | 3,892 |
| Professional/other/unknown | 1,670 | 1,792 | 1,597 | 1,552 | 1,551 | 1,456 | 1,440 | 1,436 | 1,339 | 1,283 |
| U.S. citizens, men | | | | | | | | | | |
| Grand total, all fields | 14,733 | 14,965 | 14,720 | 15,047 | 14,872 | 14,513 | 14,155 | 13,636 | 12,849 | 13,042 |
| Science and engineering ¹ | 9,463 | 9,596 | 9,581 | 9,884 | 9,736 | 9,442 | 9,081 | 8,683 | 8,146 | 8,276 |
| Engineering | 1,872 | 2,012 | 2,178 | 2,324 | 2,189 | 2,059 | 1,801 | 1,730 | 1,526 | 1,528 |
| Aeronautical/astronautical | 102 | 128 | 150 | 143 | 127 | 93 | 103 | 77 | 71 | 61 |
| Chemical | 236 | 221 | 235 | 260 | 263 | 268 | 248 | 247 | 229 | 204 |
| Civil | 155 | 170 | 175 | 204 | 196 | 207 | 179 | 163 | 161 | 176 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Electrical | 570 | 604 | 625 | 679 | 572 | 577 | 463 | 422 | 379 | 358 |
| Industrial | 63 | 82 | 76 | 77 | 62 | 58 | 50 | 50 | 43 | 37 |
| Materials/metallurgical | 166 | 185 | 198 | 213 | 228 | 176 | 174 | 155 | 122 | 141 |
| Mechanical | 327 | 355 | 391 | 409 | 392 | 346 | 294 | 351 | 251 | 256 |
| Other engineering | 253 | 267 | 328 | 339 | 349 | 334 | 290 | 265 | 270 | 295 |
| Sciences ¹ | 7,591 | 7,584 | 7,403 | 7,560 | 7,547 | 7,383 | 7,280 | 6,953 | 6,620 | 6,748 |
| Agricultural sciences | 387 | 380 | 328 | 332 | 310 | 298 | 300 | 252 | 250 | 303 |
| Biological sciences | 1,930 | 2,006 | 1,961 | 2,031 | 2,075 | 2,011 | 2,097 | 2,115 | 2,062 | 2,021 |
| Computer sciences | 349 | 368 | 345 | 347 | 373 | 330 | 315 | 283 | 277 | 306 |
| Earth, atmospheric, and ocean sciences | 382 | 366 | 348 | 390 | 352 | 338 | 319 | 281 | 283 | 304 |
| Mathematics | 382 | 422 | 385 | 387 | 405 | 374 | 373 | 332 | 289 | 339 |
| Physical sciences | 1,745 | 1,617 | 1,611 | 1,658 | 1,629 | 1,564 | 1,408 | 1,394 | 1,287 | 1,314 |
| Astronomy | 83 | 99 | 106 | 126 | 109 | 87 | 95 | 92 | 82 | 96 |
| Chemistry | 946 | 829 | 837 | 882 | 895 | 894 | 744 | 762 | 751 | 803 |
| Physics | 703 | 676 | 661 | 639 | 616 | 578 | 556 | 529 | 449 | 402 |
| Other physical sciences | 13 | 13 | 7 | 11 | 9 | 5 | 13 | 11 | 5 | 13 |
| Psychology | 1,143 | 1,092 | 1,022 | 987 | 1,026 | 1,042 | 1,022 | 960 | 890 | 870 |
| Social sciences ¹ | 1,273 | 1,333 | 1,403 | 1,428 | 1,377 | 1,426 | 1,446 | 1,336 | 1,282 | 1,291 |
| Non-S&E ¹ | 5,270 | 5,369 | 5,139 | 5,163 | 5,136 | 5,071 | 5,074 | 4,953 | 4,703 | 4,766 |
| Education | 2,200 | 2,149 | 2,154 | 1,976 | 1,979 | 1,946 | 1,882 | 1,836 | 1,759 | 1,807 |
| Health | 283 | 263 | 248 | 254 | 273 | 285 | 309 | 312 | 314 | 329 |
| Humanities ¹ | 1,835 | 1,938 | 1,855 | 2,065 | 2,072 | 2,065 | 2,116 | 2,050 | 1,982 | 1,983 |
| Professional/other/unknown | 952 | 1,019 | 882 | 868 | 812 | 775 | 767 | 755 | 648 | 647 |
| U.S. citizens, women | | | | | | | | | | |
| Grand total, all fields | 12,413 | 12,775 | 13,055 | 13,072 | 13,570 | 13,471 | 13,820 | 13,395 | 13,147 | 13,368 |
| Science and engineering ¹ | 5,703 | 5,889 | 6,057 | 6,215 | 6,494 | 6,470 | 6,623 | 6,377 | 6,195 | 6,294 |
| Engineering | 343 | 374 | 418 | 414 | 375 | 426 | 420 | 410 | 366 | 370 |
| Aeronautical/astronautical | 8 | 12 | 16 | 12 | 12 | 10 | 14 | 17 | 10 | 9 |
| Chemical | 57 | 70 | 83 | 61 | 64 | 65 | 91 | 82 | 73 | 68 |
| Civil | 48 | 36 | 37 | 45 | 50 | 54 | 42 | 59 | 49 | 63 |
| Electrical | 64 | 79 | 83 | 74 | 66 | 62 | 69 | 43 | 45 | 45 |
| Industrial | 26 | 26 | 31 | 25 | 22 | 28 | 17 | 22 | 28 | 17 |
| Materials/metallurgical | 52 | 53 | 47 | 58 | 37 | 49 | 47 | 47 | 42 | 35 |
| Mechanical | 32 | 28 | 45 | 46 | 41 | 52 | 47 | 34 | 34 | 31 |
| Other engineering | 56 | 70 | 76 | 93 | 83 | 106 | 93 | 106 | 85 | 102 |
| Sciences ¹ | 5,360 | 5,515 | 5,639 | 5,801 | 6,119 | 6,044 | 6,203 | 5,967 | 5,829 | 5,924 |
| Agricultural sciences | 132 | 112 | 144 | 134 | 154 | 145 | 147 | 151 | 139 | 140 |
| Biological sciences | 1,492 | 1,487 | 1,585 | 1,637 | 1,681 | 1,649 | 1,807 | 1,784 | 1,734 | 1,760 |
| Computer sciences | 77 | 116 | 77 | 82 | 103 | 90 | 73 | 84 | 78 | 78 |
| Earth, atmospheric, and ocean sciences | 125 | 112 | 114 | 146 | 148 | 137 | 156 | 149 | 175 | 170 |
| Mathematics | 122 | 132 | 105 | 143 | 171 | 165 | 145 | 137 | 122 | 131 |
| Physical sciences | 453 | 519 | 467 | 472 | 512 | 471 | 482 | 467 | 491 | 501 |
| Astronomy | 20 | 21 | 31 | 25 | 23 | 24 | 32 | 27 | 22 | 29 |
| Chemistry | 345 | 409 | 333 | 351 | 393 | 362 | 375 | 365 | 385 | 366 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physics | 86 | 87 | 101 | 92 | 89 | 79 | 69 | 73 | 78 | 98 |
| Other physical sciences | 2 | 2 | 2 | 4 | 7 | 6 | 6 | 2 | 6 | 8 |
| Psychology | 1,909 | 1,991 | 2,107 | 2,044 | 2,150 | 2,180 | 2,133 | 1,998 | 1,833 | 1,906 |
| Social sciences ¹ | 1,050 | 1,046 | 1,040 | 1,143 | 1,200 | 1,207 | 1,260 | 1,197 | 1,257 | 1,238 |
| Non-S&E ¹ | 6,710 | 6,886 | 6,998 | 6,857 | 7,076 | 7,001 | 7,197 | 7,018 | 6,952 | 7,074 |
| Education | 3,665 | 3,628 | 3,725 | 3,597 | 3,590 | 3,690 | 3,671 | 3,498 | 3,524 | 3,692 |
| Health | 678 | 675 | 685 | 704 | 799 | 687 | 811 | 776 | 809 | 837 |
| Humanities ¹ | 1,649 | 1,810 | 1,873 | 1,876 | 1,950 | 1,943 | 2,043 | 2,063 | 1,928 | 1,909 |
| Professional/other/unknown | 718 | 773 | 715 | 680 | 737 | 681 | 672 | 681 | 691 | 636 |
| Non-U.S. citizens with permanent visas | | | | | | | | | | |
| Grand total, all fields | 3,748 | 4,317 | 3,765 | 2,931 | 2,702 | 2,308 | 1,950 | 1,838 | 1,649 | 1,631 |
| Science and engineering ¹ | 3,022 | 3,509 | 3,009 | 2,281 | 2,019 | 1,653 | 1,409 | 1,278 | 1,166 | 1,098 |
| Engineering | 838 | 956 | 793 | 593 | 479 | 403 | 350 | 299 | 271 | 265 |
| Aeronautical/astronautical | 20 | 13 | 18 | 13 | 13 | 9 | 10 | 8 | 10 | 10 |
| Chemical | 87 | 90 | 73 | 88 | 46 | 38 | 43 | 29 | 34 | 20 |
| Civil | 89 | 103 | 93 | 78 | 51 | 51 | 40 | 47 | 37 | 30 |
| Electrical | 265 | 288 | 221 | 187 | 166 | 127 | 116 | 95 | 83 | 91 |
| Industrial | 30 | 41 | 29 | 17 | 17 | 13 | 10 | 15 | 10 | 16 |
| Materials/metallurgical | 79 | 114 | 92 | 44 | 48 | 35 | 23 | 23 | 10 | 24 |
| Mechanical | 179 | 180 | 152 | 82 | 82 | 65 | 55 | 42 | 57 | 45 |
| Other engineering | 89 | 127 | 115 | 84 | 56 | 65 | 53 | 40 | 30 | 29 |
| Sciences ¹ | 2,184 | 2,553 | 2,216 | 1,688 | 1,540 | 1,250 | 1,059 | 979 | 895 | 833 |
| Agricultural sciences | 97 | 106 | 103 | 83 | 79 | 51 | 55 | 28 | 31 | 34 |
| Biological sciences | 666 | 835 | 818 | 586 | 552 | 464 | 364 | 344 | 315 | 265 |
| Computer sciences | 117 | 132 | 92 | 90 | 85 | 72 | 69 | 56 | 64 | 56 |
| Earth, atmospheric, and ocean sciences | 106 | 116 | 96 | 70 | 62 | 51 | 35 | 37 | 36 | 38 |
| Mathematics | 153 | 217 | 158 | 99 | 93 | 66 | 56 | 55 | 31 | 46 |
| Physical sciences | 591 | 704 | 493 | 366 | 314 | 242 | 202 | 184 | 161 | 151 |
| Astronomy | 9 | 21 | 12 | 7 | 15 | 6 | 12 | 4 | 5 | 5 |
| Chemistry | 325 | 386 | 293 | 205 | 179 | 150 | 122 | 103 | 93 | 93 |
| Physics | 255 | 295 | 187 | 152 | 118 | 85 | 67 | 75 | 62 | 52 |
| Other physical sciences | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 |
| Psychology | 84 | 101 | 104 | 89 | 93 | 70 | 75 | 75 | 71 | 70 |
| Social sciences ¹ | 370 | 342 | 352 | 305 | 262 | 234 | 203 | 200 | 186 | 173 |
| Non-S&E ¹ | 726 | 808 | 756 | 650 | 683 | 655 | 541 | 560 | 483 | 533 |
| Education | 199 | 218 | 196 | 165 | 172 | 178 | 126 | 116 | 112 | 130 |
| Health | 89 | 105 | 83 | 69 | 82 | 77 | 75 | 69 | 68 | 59 |
| Humanities ¹ | 280 | 308 | 319 | 289 | 304 | 284 | 232 | 266 | 201 | 238 |
| Professional/other/unknown | 158 | 177 | 158 | 127 | 125 | 116 | 108 | 109 | 102 | 106 |
| Non-U.S. citizens with permanent visas, men | | | | | | | | | | |
| Grand total, all fields | 2,636 | 2,907 | 2,483 | 1,834 | 1,665 | 1,379 | 1,135 | 1,000 | 869 | 813 |
| Science and engineering ¹ | 2,229 | 2,485 | 2,101 | 1,507 | 1,331 | 1,052 | 899 | 744 | 661 | 590 |
| Engineering | 732 | 810 | 685 | 495 | 397 | 338 | 279 | 231 | 195 | 198 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|------|------|------|------|------|
| Aeronautical/astronautical | 19 | 13 | 16 | 13 | 13 | 9 | 10 | 6 | 9 | 8 |
| Chemical | 66 | 72 | 58 | 72 | 34 | 28 | 34 | 18 | 19 | 16 |
| Civil | 82 | 87 | 83 | 65 | 43 | 44 | 34 | 40 | 29 | 24 |
| Electrical | 240 | 247 | 198 | 155 | 140 | 108 | 92 | 71 | 62 | 72 |
| Industrial | 27 | 33 | 24 | 14 | 15 | 10 | 9 | 10 | 6 | 11 |
| Materials/metallurgical | 67 | 88 | 75 | 31 | 34 | 30 | 16 | 16 | 6 | 14 |
| Mechanical | 157 | 159 | 137 | 73 | 69 | 57 | 46 | 38 | 47 | 36 |
| Other engineering | 74 | 111 | 94 | 72 | 49 | 52 | 38 | 32 | 17 | 17 |
| Sciences ¹ | 1,497 | 1,675 | 1,416 | 1,012 | 934 | 714 | 620 | 513 | 466 | 392 |
| Agricultural sciences | 69 | 83 | 73 | 62 | 50 | 35 | 36 | 14 | 18 | 14 |
| Biological sciences | 415 | 463 | 462 | 302 | 310 | 249 | 184 | 157 | 131 | 113 |
| Computer sciences | 100 | 105 | 78 | 72 | 64 | 57 | 56 | 42 | 45 | 37 |
| Earth, atmospheric, and ocean sciences | 87 | 84 | 80 | 52 | 39 | 35 | 23 | 23 | 24 | 23 |
| Mathematics | 124 | 166 | 118 | 65 | 65 | 39 | 36 | 38 | 19 | 25 |
| Physical sciences | 419 | 515 | 350 | 251 | 220 | 160 | 138 | 124 | 111 | 85 |
| Astronomy | 8 | 17 | 8 | 6 | 11 | 4 | 9 | 2 | 5 | 3 |
| Chemistry | 206 | 258 | 187 | 125 | 108 | 86 | 75 | 60 | 57 | 44 |
| Physics | 204 | 239 | 154 | 120 | 99 | 69 | 53 | 61 | 48 | 37 |
| Other physical sciences | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | 1 |
| Psychology | 26 | 35 | 26 | 27 | 32 | 21 | 30 | 23 | 26 | 22 |
| Social sciences ¹ | 257 | 224 | 229 | 181 | 154 | 118 | 117 | 92 | 92 | 73 |
| Non-S&E ¹ | 407 | 422 | 382 | 327 | 334 | 327 | 236 | 256 | 208 | 223 |
| Education | 107 | 94 | 89 | 75 | 70 | 67 | 43 | 53 | 37 | 46 |
| Health | 45 | 61 | 45 | 33 | 37 | 44 | 32 | 28 | 25 | 25 |
| Humanities ¹ | 141 | 138 | 146 | 132 | 145 | 144 | 99 | 103 | 89 | 97 |
| Professional/other/unknown | 114 | 129 | 102 | 87 | 82 | 72 | 62 | 72 | 57 | 55 |
| Non-U.S. citizens with permanent visas, women | | | | | | | | | | |
| Grand total, all fields | 1,111 | 1,409 | 1,282 | 1,096 | 1,021 | 929 | 813 | 838 | 780 | 817 |
| Science and engineering ¹ | 792 | 1,024 | 908 | 773 | 677 | 601 | 509 | 534 | 505 | 507 |
| Engineering | 105 | 146 | 108 | 98 | 77 | 65 | 71 | 68 | 76 | 67 |
| Aeronautical/astronautical | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 2 |
| Chemical | 21 | 18 | 15 | 16 | 12 | 10 | 9 | 11 | 15 | 4 |
| Civil | 7 | 16 | 10 | 13 | 8 | 7 | 6 | 7 | 8 | 6 |
| Electrical | 24 | 41 | 23 | 32 | 25 | 19 | 24 | 24 | 21 | 19 |
| Industrial | 3 | 8 | 5 | 3 | 2 | 3 | 1 | 5 | 4 | 5 |
| Materials/metallurgical | 12 | 26 | 17 | 13 | 14 | 5 | 7 | 7 | 4 | 10 |
| Mechanical | 22 | 21 | 15 | 9 | 9 | 8 | 9 | 4 | 10 | 9 |
| Other engineering | 15 | 16 | 21 | 12 | 7 | 13 | 15 | 8 | 13 | 12 |
| Sciences ¹ | 687 | 878 | 800 | 675 | 600 | 536 | 438 | 466 | 429 | 440 |
| Agricultural sciences | 28 | 23 | 30 | 21 | 29 | 16 | 19 | 14 | 13 | 20 |
| Biological sciences | 251 | 372 | 356 | 283 | 240 | 215 | 180 | 187 | 184 | 151 |
| Computer sciences | 17 | 27 | 14 | 18 | 20 | 15 | 13 | 14 | 19 | 19 |
| Earth, atmospheric, and ocean sciences | 19 | 32 | 16 | 18 | 23 | 16 | 12 | 14 | 12 | 15 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Mathematics | 29 | 51 | 40 | 34 | 27 | 27 | 19 | 17 | 12 | 21 |
| Physical sciences | 172 | 189 | 143 | 115 | 92 | 82 | 64 | 60 | 50 | 66 |
| Astronomy | 1 | 4 | 4 | 1 | 4 | 2 | 3 | 2 | 0 | 2 |
| Chemistry | 119 | 128 | 106 | 80 | 70 | 64 | 47 | 43 | 36 | 49 |
| Physics | 51 | 56 | 33 | 32 | 18 | 16 | 14 | 14 | 14 | 15 |
| Other physical sciences | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| Psychology | 58 | 66 | 78 | 62 | 61 | 49 | 45 | 52 | 45 | 48 |
| Social sciences ¹ | 113 | 118 | 123 | 124 | 108 | 116 | 86 | 108 | 94 | 100 |
| Non-S&E ¹ | 319 | 385 | 374 | 323 | 344 | 328 | 304 | 304 | 275 | 310 |
| Education | 92 | 124 | 107 | 90 | 100 | 111 | 83 | 63 | 75 | 84 |
| Health | 44 | 44 | 38 | 36 | 45 | 33 | 43 | 41 | 43 | 34 |
| Humanities ¹ | 139 | 170 | 173 | 157 | 156 | 140 | 132 | 163 | 112 | 141 |
| Professional/other/unknown | 44 | 47 | 56 | 40 | 43 | 44 | 46 | 37 | 45 | 51 |
| Non-U.S. citizens with temporary visas | | | | | | | | | | |
| Grand total, all fields | 9,422 | 8,831 | 9,649 | 9,193 | 9,496 | 9,057 | 9,663 | 9,827 | 9,723 | 10,585 |
| Science and engineering ¹ | 7,534 | 7,007 | 7,835 | 7,509 | 7,776 | 7,238 | 7,660 | 7,959 | 7,688 | 8,388 |
| Engineering | 2,653 | 2,527 | 2,734 | 2,555 | 2,582 | 2,192 | 2,452 | 2,787 | 2,647 | 2,909 |
| Aeronautical/astronautical | 96 | 94 | 93 | 97 | 71 | 82 | 74 | 87 | 106 | 111 |
| Chemical | 337 | 318 | 401 | 343 | 373 | 282 | 307 | 335 | 326 | 337 |
| Civil | 384 | 337 | 372 | 310 | 316 | 253 | 280 | 299 | 348 | 386 |
| Electrical | 735 | 712 | 750 | 712 | 709 | 637 | 785 | 933 | 823 | 920 |
| Industrial | 109 | 131 | 117 | 118 | 120 | 108 | 94 | 109 | 134 | 137 |
| Materials/metallurgical | 233 | 224 | 222 | 244 | 228 | 194 | 181 | 249 | 196 | 259 |
| Mechanical | 459 | 439 | 436 | 449 | 454 | 354 | 433 | 494 | 447 | 447 |
| Other engineering | 300 | 272 | 343 | 282 | 311 | 282 | 298 | 281 | 267 | 312 |
| Sciences ¹ | 4,881 | 4,480 | 5,101 | 4,954 | 5,194 | 5,046 | 5,208 | 5,172 | 5,041 | 5,479 |
| Agricultural sciences | 454 | 429 | 442 | 392 | 462 | 459 | 415 | 359 | 401 | 392 |
| Biological sciences | 1,058 | 971 | 1,243 | 1,322 | 1,334 | 1,287 | 1,385 | 1,242 | 1,291 | 1,401 |
| Computer sciences | 343 | 365 | 377 | 330 | 328 | 330 | 363 | 360 | 349 | 379 |
| Earth, atmospheric, and ocean sciences | 199 | 173 | 206 | 231 | 216 | 242 | 203 | 252 | 250 | 228 |
| Mathematics | 451 | 384 | 443 | 441 | 447 | 444 | 443 | 436 | 440 | 440 |
| Physical sciences | 1,109 | 931 | 1,141 | 1,084 | 1,203 | 1,127 | 1,156 | 1,219 | 1,113 | 1,224 |
| Astronomy | 32 | 28 | 42 | 37 | 52 | 37 | 42 | 53 | 31 | 34 |
| Chemistry | 597 | 493 | 613 | 599 | 658 | 622 | 648 | 675 | 596 | 689 |
| Physics | 473 | 400 | 483 | 446 | 488 | 463 | 458 | 482 | 481 | 494 |
| Other physical sciences | 7 | 10 | 3 | 2 | 5 | 5 | 8 | 9 | 5 | 7 |
| Psychology | 151 | 165 | 180 | 137 | 169 | 153 | 164 | 153 | 156 | 197 |
| Social sciences ¹ | 1,116 | 1,062 | 1,069 | 1,017 | 1,035 | 1,004 | 1,079 | 1,151 | 1,041 | 1,218 |
| Non-S&E ¹ | 1,888 | 1,824 | 1,814 | 1,684 | 1,720 | 1,819 | 2,003 | 1,868 | 2,035 | 2,197 |
| Education | 537 | 506 | 482 | 411 | 489 | 517 | 539 | 503 | 474 | 585 |
| Health | 230 | 246 | 268 | 273 | 286 | 286 | 306 | 320 | 322 | 326 |
| Humanities ¹ | 530 | 548 | 522 | 530 | 534 | 536 | 630 | 553 | 647 | 657 |
| Professional/other/unknown | 591 | 524 | 542 | 470 | 411 | 480 | 528 | 492 | 592 | 629 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-U.S. citizens with temporary visas, men | | | | | | | | | | |
| Grand total, all fields | 7,320 | 6,855 | 7,415 | 6,974 | 7,007 | 6,630 | 6,854 | 7,025 | 6,750 | 7,250 |
| Science and engineering ¹ | 6,199 | 5,748 | 6,328 | 5,976 | 6,006 | 5,588 | 5,796 | 5,995 | 5,723 | 6,145 |
| Engineering | 2,470 | 2,365 | 2,504 | 2,340 | 2,301 | 1,931 | 2,149 | 2,381 | 2,261 | 2,463 |
| Aeronautical/astronautical | 94 | 93 | 88 | 93 | 69 | 77 | 70 | 80 | 96 | 95 |
| Chemical | 301 | 296 | 355 | 300 | 312 | 238 | 259 | 257 | 252 | 256 |
| Civil | 357 | 314 | 341 | 288 | 276 | 227 | 243 | 257 | 293 | 329 |
| Electrical | 678 | 668 | 698 | 674 | 656 | 575 | 696 | 806 | 734 | 808 |
| Industrial | 105 | 115 | 104 | 107 | 105 | 97 | 79 | 94 | 107 | 106 |
| Materials/metallurgical | 216 | 208 | 203 | 210 | 197 | 161 | 155 | 200 | 167 | 205 |
| Mechanical | 445 | 425 | 419 | 420 | 424 | 322 | 398 | 445 | 400 | 404 |
| Other engineering | 274 | 246 | 296 | 248 | 262 | 234 | 249 | 242 | 212 | 260 |
| Sciences ¹ | 3,729 | 3,383 | 3,824 | 3,636 | 3,705 | 3,657 | 3,647 | 3,614 | 3,462 | 3,682 |
| Agricultural sciences | 367 | 339 | 340 | 298 | 355 | 343 | 311 | 249 | 293 | 260 |
| Biological sciences | 698 | 631 | 800 | 818 | 795 | 819 | 832 | 744 | 776 | 805 |
| Computer sciences | 301 | 322 | 335 | 292 | 305 | 283 | 315 | 313 | 287 | 311 |
| Earth, atmospheric, and ocean sciences | 160 | 151 | 169 | 194 | 174 | 195 | 145 | 192 | 202 | 167 |
| Mathematics | 367 | 305 | 360 | 366 | 362 | 366 | 359 | 326 | 318 | 335 |
| Physical sciences | 907 | 770 | 931 | 858 | 923 | 879 | 905 | 946 | 826 | 934 |
| Astronomy | 28 | 24 | 36 | 27 | 34 | 30 | 37 | 45 | 27 | 24 |
| Chemistry | 438 | 377 | 464 | 445 | 454 | 442 | 475 | 478 | 396 | 488 |
| Physics | 434 | 361 | 429 | 386 | 432 | 402 | 387 | 417 | 401 | 417 |
| Other physical sciences | 7 | 8 | 2 | 0 | 3 | 5 | 6 | 6 | 2 | 5 |
| Psychology | 71 | 80 | 86 | 58 | 68 | 70 | 68 | 68 | 61 | 75 |
| Social sciences ¹ | 858 | 785 | 803 | 752 | 723 | 702 | 712 | 776 | 699 | 795 |
| Non-S&E ¹ | 1,121 | 1,107 | 1,087 | 998 | 1,001 | 1,042 | 1,058 | 1,030 | 1,027 | 1,105 |
| Education | 269 | 246 | 244 | 205 | 249 | 244 | 244 | 216 | 193 | 238 |
| Health | 109 | 140 | 147 | 135 | 156 | 139 | 143 | 170 | 139 | 164 |
| Humanities ¹ | 292 | 308 | 280 | 294 | 272 | 296 | 296 | 297 | 305 | 304 |
| Professional/other/unknown | 451 | 413 | 416 | 364 | 324 | 363 | 375 | 347 | 390 | 399 |
| Non-U.S. citizens with temporary visas, women | | | | | | | | | | |
| Grand total, all fields | 2,080 | 1,959 | 2,221 | 2,204 | 2,469 | 2,423 | 2,808 | 2,801 | 2,967 | 3,321 |
| Science and engineering ¹ | 1,321 | 1,248 | 1,500 | 1,521 | 1,755 | 1,648 | 1,863 | 1,964 | 1,961 | 2,233 |
| Engineering | 178 | 159 | 228 | 211 | 274 | 260 | 302 | 406 | 385 | 442 |
| Aeronautical/astronautical | 2 | 1 | 5 | 4 | 2 | 5 | 4 | 7 | 10 | 16 |
| Chemical | 35 | 21 | 45 | 43 | 60 | 44 | 48 | 78 | 74 | 81 |
| Civil | 25 | 23 | 31 | 21 | 39 | 26 | 37 | 42 | 55 | 55 |
| Electrical | 56 | 44 | 52 | 36 | 52 | 62 | 88 | 127 | 88 | 111 |
| Industrial | 4 | 16 | 13 | 11 | 14 | 11 | 15 | 15 | 27 | 31 |
| Materials/metallurgical | 16 | 15 | 19 | 34 | 30 | 33 | 26 | 49 | 29 | 54 |
| Mechanical | 14 | 13 | 16 | 29 | 29 | 31 | 35 | 49 | 47 | 43 |
| Other engineering | 26 | 26 | 47 | 33 | 48 | 48 | 49 | 39 | 55 | 51 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sciences ¹ | 1,143 | 1,089 | 1,272 | 1,310 | 1,481 | 1,388 | 1,561 | 1,558 | 1,576 | 1,791 |
| Agricultural sciences | 87 | 89 | 102 | 93 | 107 | 116 | 104 | 110 | 108 | 132 |
| Biological sciences | 355 | 335 | 441 | 504 | 538 | 468 | 553 | 498 | 515 | 593 |
| Computer sciences | 41 | 43 | 42 | 38 | 23 | 47 | 48 | 47 | 62 | 68 |
| Earth, atmospheric, and ocean sciences | 39 | 22 | 36 | 36 | 41 | 47 | 58 | 60 | 48 | 61 |
| Mathematics | 84 | 79 | 83 | 75 | 85 | 77 | 84 | 110 | 121 | 104 |
| Physical sciences | 199 | 160 | 209 | 223 | 279 | 248 | 251 | 273 | 286 | 288 |
| Astronomy | 4 | 4 | 6 | 10 | 18 | 7 | 5 | 8 | 4 | 10 |
| Chemistry | 157 | 115 | 148 | 153 | 203 | 180 | 173 | 197 | 200 | 200 |
| Physics | 38 | 39 | 54 | 58 | 56 | 61 | 71 | 65 | 79 | 76 |
| Other physical sciences | 0 | 2 | 1 | 2 | 2 | 0 | 2 | 3 | 3 | 2 |
| Psychology | 80 | 85 | 94 | 79 | 101 | 83 | 96 | 85 | 95 | 122 |
| Social sciences ¹ | 258 | 276 | 265 | 262 | 307 | 302 | 367 | 375 | 341 | 423 |
| Non-S&E ¹ | 759 | 711 | 721 | 683 | 714 | 775 | 945 | 837 | 1,006 | 1,088 |
| Education | 268 | 260 | 237 | 206 | 239 | 273 | 295 | 286 | 280 | 347 |
| Health | 115 | 104 | 117 | 138 | 129 | 147 | 163 | 150 | 183 | 161 |
| Humanities ¹ | 237 | 239 | 242 | 234 | 260 | 239 | 334 | 256 | 341 | 350 |
| Professional/other/unknown | 139 | 108 | 125 | 105 | 86 | 116 | 153 | 145 | 202 | 230 |
| Citizenship unknown | | | | | | | | | | |
| Grand total, all fields | 715 | 858 | 1,247 | 2,265 | 1,991 | 1,741 | 1,766 | 2,112 | 2,595 | 2,081 |
| Science and engineering ¹ | 482 | 532 | 758 | 1,330 | 1,246 | 1,129 | 1,192 | 1,243 | 1,375 | 1,201 |
| Engineering | 115 | 139 | 186 | 228 | 298 | 250 | 298 | 276 | 261 | 193 |
| Aeronautical/astronautical | 4 | 5 | 10 | 8 | 18 | 12 | 13 | 14 | 11 | 8 |
| Chemical | 8 | 9 | 6 | 15 | 29 | 21 | 36 | 35 | 43 | 14 |
| Civil | 7 | 10 | 21 | 18 | 37 | 19 | 15 | 26 | 30 | 17 |
| Electrical | 39 | 48 | 62 | 68 | 83 | 75 | 111 | 83 | 62 | 49 |
| Industrial | 0 | 4 | 6 | 9 | 8 | 4 | 5 | 9 | 15 | 4 |
| Materials/metallurgical | 9 | 12 | 15 | 23 | 24 | 15 | 26 | 23 | 26 | 14 |
| Mechanical | 18 | 23 | 28 | 35 | 53 | 38 | 35 | 32 | 38 | 35 |
| Other engineering | 30 | 28 | 38 | 52 | 46 | 66 | 57 | 54 | 36 | 52 |
| Sciences ¹ | 367 | 393 | 572 | 1,102 | 948 | 879 | 894 | 967 | 1,114 | 1,008 |
| Agricultural sciences | 8 | 9 | 18 | 40 | 32 | 13 | 26 | 63 | 71 | 53 |
| Biological sciences | 56 | 76 | 116 | 211 | 203 | 171 | 201 | 205 | 285 | 246 |
| Computer sciences | 17 | 16 | 29 | 59 | 38 | 33 | 39 | 43 | 39 | 47 |
| Earth, atmospheric, and ocean sciences | 12 | 13 | 30 | 40 | 36 | 37 | 45 | 30 | 41 | 43 |
| Mathematics | 10 | 35 | 31 | 53 | 61 | 34 | 33 | 47 | 36 | 38 |
| Physical sciences | 79 | 69 | 127 | 188 | 166 | 175 | 159 | 129 | 157 | 130 |
| Astronomy | 0 | 4 | 1 | 3 | 7 | 5 | 4 | 10 | 4 | 3 |
| Chemistry | 44 | 45 | 73 | 110 | 91 | 104 | 100 | 75 | 98 | 86 |
| Physics | 31 | 20 | 53 | 72 | 67 | 66 | 54 | 38 | 54 | 34 |
| Other physical sciences | 4 | 0 | 0 | 3 | 1 | 0 | 1 | 6 | 1 | 7 |
| Psychology | 92 | 80 | 82 | 295 | 232 | 223 | 223 | 256 | 248 | 232 |
| Social sciences ¹ | 93 | 95 | 139 | 216 | 180 | 193 | 168 | 194 | 237 | 219 |
| Non-S&E ¹ | 233 | 326 | 489 | 935 | 745 | 612 | 574 | 869 | 1,220 | 880 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|-------|-------|------|-------|-------|-------|-------|
| Education | 108 | 149 | 228 | 416 | 337 | 215 | 210 | 384 | 618 | 411 |
| Health | 16 | 40 | 40 | 120 | 60 | 72 | 90 | 143 | 142 | 82 |
| Humanities ¹ | 77 | 87 | 143 | 269 | 255 | 206 | 192 | 228 | 251 | 228 |
| Professional/other/unknown | 32 | 50 | 78 | 130 | 93 | 119 | 82 | 114 | 209 | 159 |
| Citizenship unknown, men | | | | | | | | | | |
| Grand total, all fields | 369 | 434 | 667 | 1,088 | 1,089 | 912 | 1,022 | 1,130 | 1,303 | 1,083 |
| Science and engineering ¹ | 273 | 288 | 443 | 716 | 737 | 653 | 745 | 750 | 842 | 705 |
| Engineering | 76 | 83 | 121 | 157 | 224 | 176 | 230 | 223 | 188 | 157 |
| Aeronautical/astronautical | 4 | 3 | 8 | 5 | 16 | 9 | 8 | 11 | 8 | 8 |
| Chemical | 6 | 8 | 5 | 9 | 21 | 16 | 30 | 24 | 27 | 12 |
| Civil | 4 | 4 | 17 | 14 | 29 | 17 | 10 | 22 | 21 | 15 |
| Electrical | 28 | 26 | 35 | 52 | 61 | 50 | 88 | 73 | 48 | 38 |
| Industrial | 0 | 1 | 4 | 7 | 6 | 4 | 2 | 6 | 6 | 2 |
| Materials/metallurgical | 3 | 8 | 7 | 16 | 18 | 9 | 22 | 21 | 20 | 12 |
| Mechanical | 11 | 15 | 16 | 26 | 37 | 26 | 29 | 26 | 31 | 30 |
| Other engineering | 20 | 18 | 29 | 28 | 36 | 45 | 41 | 40 | 27 | 40 |
| Sciences ¹ | 197 | 205 | 322 | 559 | 513 | 477 | 515 | 527 | 654 | 548 |
| Agricultural sciences | 4 | 2 | 13 | 23 | 23 | 6 | 22 | 42 | 52 | 29 |
| Biological sciences | 32 | 32 | 63 | 111 | 114 | 92 | 113 | 117 | 173 | 144 |
| Computer sciences | 12 | 13 | 17 | 32 | 23 | 22 | 30 | 31 | 29 | 36 |
| Earth, atmospheric, and ocean sciences | 6 | 7 | 17 | 27 | 27 | 23 | 36 | 16 | 32 | 29 |
| Mathematics | 6 | 26 | 18 | 33 | 40 | 24 | 22 | 35 | 24 | 30 |
| Physical sciences | 57 | 42 | 78 | 126 | 107 | 130 | 116 | 87 | 122 | 85 |
| Astronomy | 0 | 3 | 1 | 2 | 7 | 5 | 4 | 6 | 2 | 3 |
| Chemistry | 31 | 24 | 38 | 71 | 52 | 71 | 67 | 49 | 71 | 50 |
| Physics | 23 | 15 | 39 | 51 | 48 | 54 | 44 | 29 | 48 | 26 |
| Other physical sciences | 3 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 1 | 6 |
| Psychology | 33 | 38 | 28 | 90 | 80 | 76 | 84 | 81 | 84 | 75 |
| Social sciences ¹ | 47 | 45 | 88 | 117 | 99 | 104 | 92 | 118 | 138 | 120 |
| Non-S&E ¹ | 96 | 146 | 224 | 372 | 352 | 259 | 277 | 380 | 461 | 378 |
| Education | 36 | 58 | 92 | 138 | 126 | 77 | 85 | 132 | 197 | 148 |
| Health | 7 | 13 | 16 | 47 | 23 | 31 | 39 | 66 | 52 | 23 |
| Humanities ¹ | 39 | 45 | 71 | 127 | 149 | 85 | 105 | 125 | 121 | 117 |
| Professional/other/unknown | 14 | 30 | 45 | 60 | 54 | 66 | 48 | 57 | 91 | 90 |
| Citizenship unknown, women | | | | | | | | | | |
| Grand total, all fields | 218 | 274 | 398 | 869 | 788 | 656 | 683 | 913 | 1,229 | 896 |
| Science and engineering ¹ | 106 | 125 | 184 | 425 | 422 | 362 | 398 | 453 | 497 | 438 |
| Engineering | 9 | 17 | 23 | 27 | 48 | 37 | 44 | 44 | 61 | 17 |
| Aeronautical/astronautical | 0 | 1 | 1 | 0 | 1 | 2 | 3 | 2 | 3 | 0 |
| Chemical | 0 | 0 | 0 | 2 | 4 | 4 | 3 | 9 | 14 | 1 |
| Civil | 0 | 1 | 1 | 1 | 3 | 2 | 3 | 3 | 8 | 1 |
| Electrical | 3 | 9 | 11 | 8 | 13 | 12 | 14 | 9 | 9 | 4 |
| Industrial | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 2 | 8 | 0 |
| Materials/metallurgical | 3 | 1 | 1 | 1 | 3 | 1 | 3 | 2 | 5 | 2 |

TABLE 3. Doctorates awarded, by citizenship status, sex, and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Mechanical | 1 | 2 | 2 | 4 | 14 | 5 | 5 | 4 | 5 | 1 |
| Other engineering | 2 | 3 | 5 | 10 | 8 | 11 | 11 | 13 | 9 | 8 |
| Sciences ¹ | 97 | 108 | 161 | 398 | 374 | 325 | 354 | 409 | 436 | 421 |
| Agricultural sciences | 2 | 4 | 5 | 12 | 8 | 3 | 4 | 15 | 18 | 21 |
| Biological sciences | 11 | 23 | 33 | 71 | 77 | 62 | 82 | 80 | 111 | 94 |
| Computer sciences | 2 | 0 | 6 | 12 | 13 | 4 | 7 | 10 | 7 | 10 |
| Earth, atmospheric, and ocean sciences | 0 | 4 | 6 | 9 | 7 | 10 | 4 | 13 | 7 | 13 |
| Mathematics | 1 | 3 | 3 | 11 | 14 | 8 | 11 | 12 | 10 | 7 |
| Physical sciences | 4 | 10 | 23 | 42 | 43 | 30 | 38 | 38 | 34 | 37 |
| Astronomy | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 0 |
| Chemistry | 4 | 9 | 18 | 29 | 29 | 26 | 29 | 23 | 26 | 32 |
| Physics | 0 | 0 | 5 | 11 | 14 | 4 | 9 | 8 | 6 | 4 |
| Other physical sciences | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 1 |
| Psychology | 54 | 39 | 51 | 178 | 143 | 137 | 137 | 171 | 160 | 153 |
| Social sciences ¹ | 23 | 25 | 34 | 63 | 69 | 71 | 71 | 70 | 89 | 86 |
| Non-S&E ¹ | 112 | 149 | 214 | 444 | 366 | 294 | 285 | 460 | 732 | 458 |
| Education | 65 | 81 | 118 | 227 | 201 | 121 | 123 | 248 | 411 | 240 |
| Health | 6 | 20 | 20 | 58 | 33 | 32 | 49 | 65 | 89 | 53 |
| Humanities ¹ | 29 | 37 | 55 | 114 | 103 | 96 | 84 | 96 | 124 | 104 |
| Professional/other/unknown | 12 | 11 | 21 | 45 | 29 | 45 | 29 | 51 | 108 | 61 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

NOTE: Persons with unknown citizenship and unknown sex are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 22.2 | 22.6 | 23.2 | 22.5 | 21.7 | 20.6 | 20.5 | 21.5 | 20.6 | 20.8 |
| Aeronautical/astronautical | 0.9 | 0.9 | 1.1 | 1.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Chemical | 2.8 | 2.7 | 2.9 | 2.8 | 2.8 | 2.6 | 2.8 | 2.9 | 2.9 | 2.5 |
| Civil | 2.6 | 2.5 | 2.6 | 2.4 | 2.4 | 2.3 | 2.1 | 2.3 | 2.5 | 2.7 |
| Electrical | 6.4 | 6.5 | 6.4 | 6.3 | 5.9 | 5.7 | 5.9 | 6.2 | 5.7 | 5.8 |
| Industrial | 0.9 | 1.1 | 1.0 | 0.9 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 | 0.8 |
| Materials/metallurgical | 2.1 | 2.2 | 2.1 | 2.1 | 2.1 | 1.8 | 1.7 | 1.9 | 1.6 | 1.9 |
| Mechanical | 3.9 | 3.9 | 3.9 | 3.8 | 3.7 | 3.3 | 3.3 | 3.7 | 3.4 | 3.2 |
| Other engineering | 2.8 | 2.9 | 3.3 | 3.1 | 3.1 | 3.3 | 3.0 | 2.9 | 2.8 | 3.1 |
| Sciences ¹ | 77.8 | 77.4 | 76.8 | 77.5 | 78.3 | 79.4 | 79.5 | 78.5 | 79.4 | 79.2 |
| Agricultural sciences | 4.1 | 3.9 | 3.8 | 3.6 | 3.8 | 3.7 | 3.6 | 3.3 | 3.6 | 3.7 |
| Biological sciences | 19.9 | 20.3 | 21.0 | 21.3 | 21.4 | 21.5 | 22.5 | 22.3 | 23.1 | 22.5 |
| Computer sciences | 3.4 | 3.8 | 3.4 | 3.3 | 3.4 | 3.3 | 3.3 | 3.2 | 3.3 | 3.4 |
| Earth, atmospheric, and ocean sciences | 3.1 | 2.9 | 2.9 | 3.2 | 3.0 | 3.1 | 2.9 | 2.9 | 3.2 | 3.1 |
| Mathematics | 4.3 | 4.5 | 4.1 | 4.1 | 4.3 | 4.2 | 4.0 | 3.9 | 3.7 | 3.9 |
| Physical sciences | 15.2 | 14.5 | 14.1 | 13.8 | 14.0 | 13.8 | 13.1 | 13.3 | 13.1 | 13.1 |
| Astronomy | 0.5 | 0.7 | 0.7 | 0.7 | 0.8 | 0.6 | 0.7 | 0.7 | 0.6 | 0.7 |
| Chemistry | 8.6 | 8.1 | 7.9 | 7.9 | 8.1 | 8.2 | 7.7 | 7.8 | 7.8 | 8.1 |
| Physics | 5.9 | 5.6 | 5.5 | 5.1 | 5.1 | 4.9 | 4.6 | 4.7 | 4.6 | 4.3 |
| Other physical sciences | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Psychology | 12.9 | 12.9 | 12.8 | 13.1 | 13.5 | 14.1 | 13.9 | 13.5 | 13.0 | 13.0 |
| Social sciences ¹ | 14.9 | 14.6 | 14.7 | 15.1 | 14.9 | 15.7 | 16.0 | 16.0 | 16.3 | 16.4 |
| Total, men | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 28.4 | 29.1 | 29.7 | 29.4 | 28.7 | 26.9 | 27.0 | 28.2 | 27.1 | 27.7 |
| Aeronautical/astronautical | 1.2 | 1.3 | 1.4 | 1.4 | 1.3 | 1.1 | 1.2 | 1.1 | 1.2 | 1.1 |
| Chemical | 3.4 | 3.3 | 3.5 | 3.5 | 3.5 | 3.3 | 3.5 | 3.4 | 3.4 | 3.1 |
| Civil | 3.3 | 3.2 | 3.3 | 3.2 | 3.1 | 3.0 | 2.8 | 3.0 | 3.3 | 3.5 |
| Electrical | 8.3 | 8.5 | 8.4 | 8.6 | 8.0 | 7.8 | 8.1 | 8.5 | 8.0 | 8.1 |
| Industrial | 1.1 | 1.3 | 1.1 | 1.1 | 1.1 | 1.0 | 0.8 | 1.0 | 1.1 | 1.0 |
| Materials/metallurgical | 2.5 | 2.7 | 2.6 | 2.6 | 2.7 | 2.2 | 2.2 | 2.4 | 2.0 | 2.4 |
| Mechanical | 5.2 | 5.3 | 5.2 | 5.1 | 5.2 | 4.5 | 4.6 | 5.3 | 4.7 | 4.6 |
| Other engineering | 3.4 | 3.5 | 4.0 | 3.8 | 3.9 | 4.0 | 3.7 | 3.6 | 3.4 | 3.9 |
| Sciences ¹ | 71.6 | 70.9 | 70.3 | 70.6 | 71.3 | 73.1 | 73.0 | 71.8 | 72.9 | 72.3 |
| Agricultural sciences | 4.6 | 4.4 | 4.1 | 4.0 | 4.1 | 4.1 | 4.0 | 3.4 | 4.0 | 3.9 |
| Biological sciences | 16.9 | 17.3 | 17.8 | 18.0 | 18.5 | 18.9 | 19.5 | 19.4 | 20.4 | 19.6 |
| Computer sciences | 4.2 | 4.5 | 4.2 | 4.1 | 4.3 | 4.1 | 4.3 | 4.1 | 4.2 | 4.4 |
| Earth, atmospheric, and ocean sciences | 3.5 | 3.4 | 3.3 | 3.7 | 3.3 | 3.5 | 3.2 | 3.2 | 3.5 | 3.3 |
| Mathematics | 4.8 | 5.1 | 4.8 | 4.7 | 4.9 | 4.8 | 4.8 | 4.5 | 4.2 | 4.6 |
| Physical sciences | 17.2 | 16.2 | 16.1 | 16.0 | 16.2 | 16.3 | 15.5 | 15.8 | 15.3 | 15.4 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Astronomy | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 | 0.8 | 0.9 | 0.9 | 0.8 | 0.8 |
| Chemistry | 8.9 | 8.2 | 8.3 | 8.4 | 8.5 | 8.9 | 8.2 | 8.3 | 8.3 | 8.8 |
| Physics | 7.5 | 7.1 | 7.0 | 6.6 | 6.7 | 6.6 | 6.3 | 6.4 | 6.2 | 5.6 |
| Other physical sciences | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| Psychology | 7.0 | 6.9 | 6.3 | 6.4 | 6.8 | 7.2 | 7.3 | 7.0 | 6.9 | 6.6 |
| Social sciences ¹ | 13.4 | 13.2 | 13.7 | 13.7 | 13.2 | 14.0 | 14.3 | 14.4 | 14.4 | 14.5 |
| Total, women | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 8.0 | 8.4 | 9.0 | 8.4 | 8.3 | 8.7 | 8.9 | 9.9 | 9.7 | 9.5 |
| Aeronautical/astronautical | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 |
| Chemical | 1.4 | 1.3 | 1.7 | 1.4 | 1.5 | 1.4 | 1.6 | 1.9 | 1.9 | 1.6 |
| Civil | 1.0 | 0.9 | 0.9 | 0.9 | 1.1 | 1.0 | 0.9 | 1.2 | 1.3 | 1.3 |
| Electrical | 1.9 | 2.1 | 2.0 | 1.7 | 1.7 | 1.7 | 2.1 | 2.2 | 1.8 | 1.9 |
| Industrial | 0.4 | 0.6 | 0.6 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 | 0.7 | 0.6 |
| Materials/metallurgical | 1.0 | 1.1 | 1.0 | 1.2 | 0.9 | 1.0 | 0.9 | 1.1 | 0.9 | 1.1 |
| Mechanical | 0.9 | 0.8 | 0.9 | 1.0 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 0.9 |
| Other engineering | 1.2 | 1.4 | 1.7 | 1.7 | 1.6 | 2.0 | 1.8 | 1.8 | 1.8 | 1.8 |
| Sciences ¹ | 92.0 | 91.6 | 91.0 | 91.6 | 91.7 | 91.3 | 91.1 | 90.1 | 90.3 | 90.5 |
| Agricultural sciences | 3.1 | 2.8 | 3.2 | 2.9 | 3.2 | 3.1 | 2.9 | 3.1 | 3.0 | 3.3 |
| Biological sciences | 26.6 | 26.8 | 27.9 | 27.9 | 27.1 | 26.4 | 27.9 | 27.3 | 27.8 | 27.4 |
| Computer sciences | 1.7 | 2.2 | 1.6 | 1.7 | 1.7 | 1.7 | 1.5 | 1.7 | 1.8 | 1.8 |
| Earth, atmospheric, and ocean sciences | 2.3 | 2.1 | 2.0 | 2.3 | 2.3 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 |
| Mathematics | 3.0 | 3.2 | 2.7 | 2.9 | 3.2 | 3.1 | 2.8 | 3.0 | 2.9 | 2.8 |
| Physical sciences | 10.5 | 10.6 | 9.7 | 9.5 | 9.9 | 9.2 | 8.9 | 9.0 | 9.4 | 9.4 |
| Astronomy | 0.3 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 |
| Chemistry | 7.9 | 8.0 | 7.0 | 6.9 | 7.4 | 7.0 | 6.6 | 6.7 | 7.1 | 6.8 |
| Physics | 2.2 | 2.2 | 2.2 | 2.2 | 1.9 | 1.8 | 1.7 | 1.7 | 1.9 | 2.0 |
| Other physical sciences | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Psychology | 26.5 | 26.3 | 26.9 | 26.4 | 26.3 | 27.0 | 25.7 | 24.7 | 23.3 | 23.5 |
| Social sciences ¹ | 18.2 | 17.7 | 16.9 | 17.8 | 18.0 | 18.7 | 19.0 | 18.8 | 19.4 | 19.5 |
| U.S. citizens or permanent residents | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 16.8 | 17.6 | 18.2 | 18.1 | 16.7 | 16.4 | 15.0 | 14.9 | 13.9 | 13.8 |
| Aeronautical/astronautical | 0.7 | 0.8 | 1.0 | 0.9 | 0.8 | 0.6 | 0.7 | 0.6 | 0.6 | 0.5 |
| Chemical | 2.1 | 2.0 | 2.1 | 2.2 | 2.0 | 2.1 | 2.2 | 2.2 | 2.2 | 1.9 |
| Civil | 1.6 | 1.6 | 1.6 | 1.8 | 1.6 | 1.8 | 1.5 | 1.6 | 1.6 | 1.7 |
| Electrical | 4.9 | 5.1 | 5.0 | 5.1 | 4.4 | 4.4 | 3.8 | 3.4 | 3.3 | 3.2 |
| Industrial | 0.7 | 0.8 | 0.7 | 0.6 | 0.6 | 0.6 | 0.4 | 0.5 | 0.5 | 0.4 |
| Materials/metallurgical | 1.6 | 1.9 | 1.8 | 1.7 | 1.7 | 1.5 | 1.4 | 1.4 | 1.1 | 1.3 |
| Mechanical | 3.0 | 3.0 | 3.2 | 2.9 | 2.8 | 2.6 | 2.3 | 2.6 | 2.2 | 2.1 |
| Other engineering | 2.2 | 2.4 | 2.8 | 2.8 | 2.7 | 2.9 | 2.5 | 2.5 | 2.5 | 2.7 |
| Sciences ¹ | 83.2 | 82.4 | 81.8 | 81.9 | 83.3 | 83.6 | 85.0 | 85.1 | 86.1 | 86.2 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Agricultural sciences | 3.4 | 3.1 | 3.1 | 3.0 | 3.0 | 2.8 | 2.9 | 2.6 | 2.7 | 3.0 |
| Biological sciences | 22.5 | 22.8 | 23.4 | 23.1 | 23.6 | 23.5 | 24.9 | 26.0 | 26.5 | 25.8 |
| Computer sciences | 3.0 | 3.2 | 2.8 | 2.8 | 3.1 | 2.8 | 2.7 | 2.6 | 2.7 | 2.8 |
| Earth, atmospheric, and ocean sciences | 3.4 | 3.1 | 3.0 | 3.3 | 3.1 | 3.0 | 3.0 | 2.9 | 3.2 | 3.3 |
| Mathematics | 3.6 | 4.1 | 3.5 | 3.4 | 3.7 | 3.4 | 3.4 | 3.2 | 2.9 | 3.3 |
| Physical sciences | 15.3 | 15.0 | 13.8 | 13.6 | 13.4 | 13.0 | 12.2 | 12.5 | 12.5 | 12.5 |
| Astronomy | 0.6 | 0.7 | 0.8 | 0.9 | 0.8 | 0.7 | 0.8 | 0.8 | 0.7 | 0.8 |
| Chemistry | 8.9 | 8.5 | 7.8 | 7.8 | 8.0 | 8.0 | 7.3 | 7.5 | 7.9 | 8.1 |
| Physics | 5.7 | 5.6 | 5.1 | 4.8 | 4.5 | 4.2 | 4.0 | 4.1 | 3.8 | 3.5 |
| Other physical sciences | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Psychology | 17.2 | 16.8 | 17.3 | 17.0 | 17.9 | 18.7 | 18.9 | 18.6 | 18.0 | 18.2 |
| Social sciences ¹ | 14.8 | 14.3 | 15.0 | 15.6 | 15.6 | 16.3 | 17.0 | 16.7 | 17.6 | 17.2 |
| U.S. citizens or permanent residents, men | | | | | | | | | | |
| Science and engineering | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 22.3 | 23.4 | 24.5 | 24.7 | 23.4 | 22.8 | 20.8 | 20.8 | 19.5 | 19.5 |
| Aeronautical/astronautical | 1.0 | 1.2 | 1.4 | 1.4 | 1.3 | 1.0 | 1.1 | 0.9 | 0.9 | 0.8 |
| Chemical | 2.6 | 2.4 | 2.5 | 2.9 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.5 |
| Civil | 2.0 | 2.1 | 2.2 | 2.4 | 2.2 | 2.4 | 2.1 | 2.2 | 2.2 | 2.3 |
| Electrical | 6.9 | 7.0 | 7.0 | 7.3 | 6.4 | 6.5 | 5.6 | 5.2 | 5.0 | 4.8 |
| Industrial | 0.8 | 1.0 | 0.9 | 0.8 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 |
| Materials/metallurgical | 2.0 | 2.3 | 2.3 | 2.1 | 2.4 | 2.0 | 1.9 | 1.8 | 1.5 | 1.7 |
| Mechanical | 4.1 | 4.3 | 4.5 | 4.2 | 4.2 | 3.8 | 3.4 | 4.1 | 3.4 | 3.3 |
| Other engineering | 2.8 | 3.1 | 3.6 | 3.6 | 3.6 | 3.7 | 3.3 | 3.2 | 3.3 | 3.5 |
| Sciences ¹ | 77.7 | 76.6 | 75.5 | 75.3 | 76.6 | 77.2 | 79.2 | 79.2 | 80.5 | 80.5 |
| Agricultural sciences | 3.9 | 3.8 | 3.4 | 3.5 | 3.3 | 3.2 | 3.4 | 2.8 | 3.0 | 3.6 |
| Biological sciences | 20.1 | 20.4 | 20.7 | 20.5 | 21.6 | 21.5 | 22.9 | 24.1 | 24.9 | 24.1 |
| Computer sciences | 3.8 | 3.9 | 3.6 | 3.7 | 3.9 | 3.7 | 3.7 | 3.4 | 3.7 | 3.9 |
| Earth, atmospheric, and ocean sciences | 4.0 | 3.7 | 3.7 | 3.9 | 3.5 | 3.6 | 3.4 | 3.2 | 3.5 | 3.7 |
| Mathematics | 4.3 | 4.9 | 4.3 | 4.0 | 4.2 | 3.9 | 4.1 | 3.9 | 3.5 | 4.1 |
| Physical sciences | 18.5 | 17.6 | 16.8 | 16.8 | 16.7 | 16.4 | 15.5 | 16.1 | 15.9 | 15.8 |
| Astronomy | 0.8 | 1.0 | 1.0 | 1.2 | 1.1 | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 |
| Chemistry | 9.9 | 9.0 | 8.8 | 8.8 | 9.1 | 9.3 | 8.2 | 8.7 | 9.2 | 9.6 |
| Physics | 7.8 | 7.6 | 7.0 | 6.7 | 6.5 | 6.2 | 6.1 | 6.3 | 5.6 | 5.0 |
| Other physical sciences | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| Psychology | 10.0 | 9.3 | 9.0 | 8.9 | 9.6 | 10.1 | 10.5 | 10.4 | 10.4 | 10.1 |
| Social sciences ¹ | 13.1 | 12.9 | 14.0 | 14.1 | 13.8 | 14.7 | 15.7 | 15.1 | 15.6 | 15.4 |
| U.S. citizens or permanent residents, women | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 6.9 | 7.5 | 7.6 | 7.3 | 6.3 | 6.9 | 6.9 | 6.9 | 6.6 | 6.4 |
| Aeronautical/astronautical | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 |
| Chemical | 1.2 | 1.3 | 1.4 | 1.1 | 1.1 | 1.1 | 1.4 | 1.3 | 1.3 | 1.1 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Civil | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 | 0.9 | 0.7 | 1.0 | 0.9 | 1.0 |
| Electrical | 1.4 | 1.7 | 1.5 | 1.5 | 1.3 | 1.1 | 1.3 | 1.0 | 1.0 | 0.9 |
| Industrial | 0.4 | 0.5 | 0.5 | 0.4 | 0.3 | 0.4 | 0.3 | 0.4 | 0.5 | 0.3 |
| Materials/metallurgical | 1.0 | 1.1 | 0.9 | 1.0 | 0.7 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 |
| Mechanical | 0.8 | 0.7 | 0.9 | 0.8 | 0.7 | 0.8 | 0.8 | 0.5 | 0.7 | 0.6 |
| Other engineering | 1.1 | 1.2 | 1.4 | 1.5 | 1.3 | 1.7 | 1.5 | 1.6 | 1.5 | 1.7 |
| Sciences ¹ | 93.1 | 92.5 | 92.4 | 92.7 | 93.7 | 93.1 | 93.1 | 93.1 | 93.4 | 93.6 |
| Agricultural sciences | 2.5 | 2.0 | 2.5 | 2.2 | 2.6 | 2.3 | 2.3 | 2.4 | 2.3 | 2.4 |
| Biological sciences | 26.8 | 26.9 | 27.9 | 27.5 | 26.8 | 26.4 | 27.9 | 28.5 | 28.6 | 28.1 |
| Computer sciences | 1.4 | 2.1 | 1.3 | 1.4 | 1.7 | 1.5 | 1.2 | 1.4 | 1.4 | 1.4 |
| Earth, atmospheric, and ocean sciences | 2.2 | 2.1 | 1.9 | 2.3 | 2.4 | 2.2 | 2.4 | 2.4 | 2.8 | 2.7 |
| Mathematics | 2.3 | 2.6 | 2.1 | 2.5 | 2.8 | 2.7 | 2.3 | 2.2 | 2.0 | 2.2 |
| Physical sciences | 9.6 | 10.2 | 8.8 | 8.4 | 8.4 | 7.8 | 7.7 | 7.6 | 8.1 | 8.3 |
| Astronomy | 0.3 | 0.4 | 0.5 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.3 | 0.5 |
| Chemistry | 7.1 | 7.8 | 6.3 | 6.2 | 6.5 | 6.0 | 5.9 | 5.9 | 6.3 | 6.1 |
| Physics | 2.1 | 2.1 | 1.9 | 1.8 | 1.5 | 1.3 | 1.2 | 1.3 | 1.4 | 1.7 |
| Other physical sciences | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| Psychology | 30.3 | 29.8 | 31.4 | 30.1 | 30.8 | 31.5 | 30.5 | 29.7 | 28.0 | 28.7 |
| Social sciences ¹ | 17.9 | 16.8 | 16.7 | 18.1 | 18.2 | 18.7 | 18.9 | 18.9 | 20.2 | 19.7 |
| U.S. citizens | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 14.6 | 15.4 | 16.6 | 17.0 | 15.8 | 15.6 | 14.1 | 14.2 | 13.2 | 13.0 |
| Aeronautical/astronautical | 0.7 | 0.9 | 1.1 | 1.0 | 0.9 | 0.6 | 0.7 | 0.6 | 0.6 | 0.5 |
| Chemical | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.1 | 2.2 | 2.2 | 2.1 | 1.9 |
| Civil | 1.3 | 1.3 | 1.4 | 1.5 | 1.5 | 1.6 | 1.4 | 1.5 | 1.5 | 1.6 |
| Electrical | 4.2 | 4.4 | 4.5 | 4.7 | 3.9 | 4.0 | 3.4 | 3.1 | 3.0 | 2.8 |
| Industrial | 0.6 | 0.7 | 0.7 | 0.6 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.4 |
| Materials/metallurgical | 1.4 | 1.5 | 1.6 | 1.7 | 1.6 | 1.4 | 1.4 | 1.3 | 1.1 | 1.2 |
| Mechanical | 2.4 | 2.5 | 2.8 | 2.8 | 2.7 | 2.5 | 2.2 | 2.6 | 2.0 | 2.0 |
| Other engineering | 2.0 | 2.2 | 2.6 | 2.7 | 2.7 | 2.8 | 2.4 | 2.5 | 2.5 | 2.7 |
| Sciences ¹ | 85.4 | 84.6 | 83.4 | 83.0 | 84.2 | 84.4 | 85.9 | 85.8 | 86.8 | 87.0 |
| Agricultural sciences | 3.4 | 3.2 | 3.0 | 2.9 | 2.9 | 2.8 | 2.8 | 2.7 | 2.7 | 3.0 |
| Biological sciences | 22.6 | 22.6 | 22.7 | 22.8 | 23.1 | 23.0 | 24.9 | 25.9 | 26.5 | 26.0 |
| Computer sciences | 2.8 | 3.1 | 2.7 | 2.7 | 2.9 | 2.6 | 2.5 | 2.4 | 2.5 | 2.6 |
| Earth, atmospheric, and ocean sciences | 3.3 | 3.1 | 3.0 | 3.3 | 3.1 | 3.0 | 3.0 | 2.9 | 3.2 | 3.3 |
| Mathematics | 3.3 | 3.6 | 3.1 | 3.3 | 3.5 | 3.4 | 3.3 | 3.1 | 2.9 | 3.2 |
| Physical sciences | 14.5 | 13.8 | 13.3 | 13.2 | 13.2 | 12.8 | 12.0 | 12.4 | 12.4 | 12.5 |
| Astronomy | 0.7 | 0.8 | 0.9 | 0.9 | 0.8 | 0.7 | 0.8 | 0.8 | 0.7 | 0.9 |
| Chemistry | 8.5 | 8.0 | 7.5 | 7.7 | 7.9 | 7.9 | 7.1 | 7.5 | 7.9 | 8.0 |
| Physics | 5.2 | 4.9 | 4.9 | 4.5 | 4.3 | 4.1 | 4.0 | 4.0 | 3.7 | 3.4 |
| Other physical sciences | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Psychology | 20.1 | 19.9 | 20.0 | 18.8 | 19.6 | 20.2 | 20.1 | 19.6 | 19.0 | 19.1 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Social sciences ¹ | 15.3 | 15.4 | 15.6 | 16.0 | 15.9 | 16.5 | 17.2 | 16.8 | 17.7 | 17.4 |
| U.S. citizens, men | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 19.8 | 21.0 | 22.7 | 23.5 | 22.5 | 21.8 | 19.8 | 19.9 | 18.7 | 18.5 |
| Aeronautical/astronautical | 1.1 | 1.3 | 1.6 | 1.4 | 1.3 | 1.0 | 1.1 | 0.9 | 0.9 | 0.7 |
| Chemical | 2.5 | 2.3 | 2.5 | 2.6 | 2.7 | 2.8 | 2.7 | 2.8 | 2.8 | 2.5 |
| Civil | 1.6 | 1.8 | 1.8 | 2.1 | 2.0 | 2.2 | 2.0 | 1.9 | 2.0 | 2.1 |
| Electrical | 6.0 | 6.3 | 6.5 | 6.9 | 5.9 | 6.1 | 5.1 | 4.9 | 4.7 | 4.3 |
| Industrial | 0.7 | 0.9 | 0.8 | 0.8 | 0.6 | 0.6 | 0.6 | 0.6 | 0.5 | 0.4 |
| Materials/metallurgical | 1.8 | 1.9 | 2.1 | 2.2 | 2.3 | 1.9 | 1.9 | 1.8 | 1.5 | 1.7 |
| Mechanical | 3.5 | 3.7 | 4.1 | 4.1 | 4.0 | 3.7 | 3.2 | 4.0 | 3.1 | 3.1 |
| Other engineering | 2.7 | 2.8 | 3.4 | 3.4 | 3.6 | 3.5 | 3.2 | 3.1 | 3.3 | 3.6 |
| Sciences ¹ | 80.2 | 79.0 | 77.3 | 76.5 | 77.5 | 78.2 | 80.2 | 80.1 | 81.3 | 81.5 |
| Agricultural sciences | 4.1 | 4.0 | 3.4 | 3.4 | 3.2 | 3.2 | 3.3 | 2.9 | 3.1 | 3.7 |
| Biological sciences | 20.4 | 20.9 | 20.5 | 20.5 | 21.3 | 21.3 | 23.1 | 24.4 | 25.3 | 24.4 |
| Computer sciences | 3.7 | 3.8 | 3.6 | 3.5 | 3.8 | 3.5 | 3.5 | 3.3 | 3.4 | 3.7 |
| Earth, atmospheric, and ocean sciences | 4.0 | 3.8 | 3.6 | 3.9 | 3.6 | 3.6 | 3.5 | 3.2 | 3.5 | 3.7 |
| Mathematics | 4.0 | 4.4 | 4.0 | 3.9 | 4.2 | 4.0 | 4.1 | 3.8 | 3.5 | 4.1 |
| Physical sciences | 18.4 | 16.9 | 16.8 | 16.8 | 16.7 | 16.6 | 15.5 | 16.1 | 15.8 | 15.9 |
| Astronomy | 0.9 | 1.0 | 1.1 | 1.3 | 1.1 | 0.9 | 1.0 | 1.1 | 1.0 | 1.2 |
| Chemistry | 10.0 | 8.6 | 8.7 | 8.9 | 9.2 | 9.5 | 8.2 | 8.8 | 9.2 | 9.7 |
| Physics | 7.4 | 7.0 | 6.9 | 6.5 | 6.3 | 6.1 | 6.1 | 6.1 | 5.5 | 4.9 |
| Other physical sciences | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| Psychology | 12.1 | 11.4 | 10.7 | 10.0 | 10.5 | 11.0 | 11.3 | 11.1 | 10.9 | 10.5 |
| Social sciences ¹ | 13.5 | 13.9 | 14.6 | 14.4 | 14.1 | 15.1 | 15.9 | 15.4 | 15.7 | 15.6 |
| U.S. citizens, women | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 6.0 | 6.4 | 6.9 | 6.7 | 5.8 | 6.6 | 6.3 | 6.4 | 5.9 | 5.9 |
| Aeronautical/astronautical | 0.1 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.1 |
| Chemical | 1.0 | 1.2 | 1.4 | 1.0 | 1.0 | 1.0 | 1.4 | 1.3 | 1.2 | 1.1 |
| Civil | 0.8 | 0.6 | 0.6 | 0.7 | 0.8 | 0.8 | 0.6 | 0.9 | 0.8 | 1.0 |
| Electrical | 1.1 | 1.3 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 |
| Industrial | 0.5 | 0.4 | 0.5 | 0.4 | 0.3 | 0.4 | 0.3 | 0.3 | 0.5 | 0.3 |
| Materials/metallurgical | 0.9 | 0.9 | 0.8 | 0.9 | 0.6 | 0.8 | 0.7 | 0.7 | 0.7 | 0.6 |
| Mechanical | 0.6 | 0.5 | 0.7 | 0.7 | 0.6 | 0.8 | 0.7 | 0.5 | 0.5 | 0.5 |
| Other engineering | 1.0 | 1.2 | 1.3 | 1.5 | 1.3 | 1.6 | 1.4 | 1.7 | 1.4 | 1.6 |
| Sciences ¹ | 94.0 | 93.6 | 93.1 | 93.3 | 94.2 | 93.4 | 93.7 | 93.6 | 94.1 | 94.1 |
| Agricultural sciences | 2.3 | 1.9 | 2.4 | 2.2 | 2.4 | 2.2 | 2.2 | 2.4 | 2.2 | 2.2 |
| Biological sciences | 26.2 | 25.3 | 26.2 | 26.3 | 25.9 | 25.5 | 27.3 | 28.0 | 28.0 | 28.0 |
| Computer sciences | 1.4 | 2.0 | 1.3 | 1.3 | 1.6 | 1.4 | 1.1 | 1.3 | 1.3 | 1.2 |
| Earth, atmospheric, and ocean sciences | 2.2 | 1.9 | 1.9 | 2.3 | 2.3 | 2.1 | 2.4 | 2.3 | 2.8 | 2.7 |
| Mathematics | 2.1 | 2.2 | 1.7 | 2.3 | 2.6 | 2.6 | 2.2 | 2.1 | 2.0 | 2.1 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physical sciences | 7.9 | 8.8 | 7.7 | 7.6 | 7.9 | 7.3 | 7.3 | 7.3 | 7.9 | 8.0 |
| Astronomy | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 |
| Chemistry | 6.0 | 6.9 | 5.5 | 5.6 | 6.1 | 5.6 | 5.7 | 5.7 | 6.2 | 5.8 |
| Physics | 1.5 | 1.5 | 1.7 | 1.5 | 1.4 | 1.2 | 1.0 | 1.1 | 1.3 | 1.6 |
| Other physical sciences | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 |
| Psychology | 33.5 | 33.8 | 34.8 | 32.9 | 33.1 | 33.7 | 32.2 | 31.3 | 29.6 | 30.3 |
| Social sciences ¹ | 18.4 | 17.8 | 17.2 | 18.4 | 18.5 | 18.7 | 19.0 | 18.8 | 20.3 | 19.7 |
| Non-U.S. citizens with permanent visas | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 27.7 | 27.2 | 26.4 | 26.0 | 23.7 | 24.4 | 24.8 | 23.4 | 23.2 | 24.1 |
| Aeronautical/astronautical | 0.7 | 0.4 | 0.6 | 0.6 | 0.6 | 0.5 | 0.7 | 0.6 | 0.9 | 0.9 |
| Chemical | 2.9 | 2.6 | 2.4 | 3.9 | 2.3 | 2.3 | 3.1 | 2.3 | 2.9 | 1.8 |
| Civil | 2.9 | 2.9 | 3.1 | 3.4 | 2.5 | 3.1 | 2.8 | 3.7 | 3.2 | 2.7 |
| Electrical | 8.8 | 8.2 | 7.3 | 8.2 | 8.2 | 7.7 | 8.2 | 7.4 | 7.1 | 8.3 |
| Industrial | 1.0 | 1.2 | 1.0 | 0.7 | 0.8 | 0.8 | 0.7 | 1.2 | 0.9 | 1.5 |
| Materials/metallurgical | 2.6 | 3.2 | 3.1 | 1.9 | 2.4 | 2.1 | 1.6 | 1.8 | 0.9 | 2.2 |
| Mechanical | 5.9 | 5.1 | 5.1 | 3.6 | 4.1 | 3.9 | 3.9 | 3.3 | 4.9 | 4.1 |
| Other engineering | 2.9 | 3.6 | 3.8 | 3.7 | 2.8 | 3.9 | 3.8 | 3.1 | 2.6 | 2.6 |
| Sciences ¹ | 72.3 | 72.8 | 73.6 | 74.0 | 76.3 | 75.6 | 75.2 | 76.6 | 76.8 | 75.9 |
| Agricultural sciences | 3.2 | 3.0 | 3.4 | 3.6 | 3.9 | 3.1 | 3.9 | 2.2 | 2.7 | 3.1 |
| Biological sciences | 22.0 | 23.8 | 27.2 | 25.7 | 27.3 | 28.1 | 25.8 | 26.9 | 27.0 | 24.1 |
| Computer sciences | 3.9 | 3.8 | 3.1 | 3.9 | 4.2 | 4.4 | 4.9 | 4.4 | 5.5 | 5.1 |
| Earth, atmospheric, and ocean sciences | 3.5 | 3.3 | 3.2 | 3.1 | 3.1 | 3.1 | 2.5 | 2.9 | 3.1 | 3.5 |
| Mathematics | 5.1 | 6.2 | 5.3 | 4.3 | 4.6 | 4.0 | 4.0 | 4.3 | 2.7 | 4.2 |
| Physical sciences | 19.6 | 20.1 | 16.4 | 16.0 | 15.6 | 14.6 | 14.3 | 14.4 | 13.8 | 13.8 |
| Astronomy | 0.3 | 0.6 | 0.4 | 0.3 | 0.7 | 0.4 | 0.9 | 0.3 | 0.4 | 0.5 |
| Chemistry | 10.8 | 11.0 | 9.7 | 9.0 | 8.9 | 9.1 | 8.7 | 8.1 | 8.0 | 8.5 |
| Physics | 8.4 | 8.4 | 6.2 | 6.7 | 5.8 | 5.1 | 4.8 | 5.9 | 5.3 | 4.7 |
| Other physical sciences | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |
| Psychology | 2.8 | 2.9 | 3.5 | 3.9 | 4.6 | 4.2 | 5.3 | 5.9 | 6.1 | 6.4 |
| Social sciences ¹ | 12.2 | 9.7 | 11.7 | 13.4 | 13.0 | 14.2 | 14.4 | 15.6 | 16.0 | 15.8 |
| Non-U.S. citizens with permanent visas, men | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 32.8 | 32.6 | 32.6 | 32.8 | 29.8 | 32.1 | 31.0 | 31.0 | 29.5 | 33.6 |
| Aeronautical/astronautical | 0.9 | 0.5 | 0.8 | 0.9 | 1.0 | 0.9 | 1.1 | 0.8 | 1.4 | 1.4 |
| Chemical | 3.0 | 2.9 | 2.8 | 4.8 | 2.6 | 2.7 | 3.8 | 2.4 | 2.9 | 2.7 |
| Civil | 3.7 | 3.5 | 4.0 | 4.3 | 3.2 | 4.2 | 3.8 | 5.4 | 4.4 | 4.1 |
| Electrical | 10.8 | 9.9 | 9.4 | 10.3 | 10.5 | 10.3 | 10.2 | 9.5 | 9.4 | 12.2 |
| Industrial | 1.2 | 1.3 | 1.1 | 0.9 | 1.1 | 1.0 | 1.0 | 1.3 | 0.9 | 1.9 |
| Materials/metallurgical | 3.0 | 3.5 | 3.6 | 2.1 | 2.6 | 2.9 | 1.8 | 2.2 | 0.9 | 2.4 |
| Mechanical | 7.0 | 6.4 | 6.5 | 4.8 | 5.2 | 5.4 | 5.1 | 5.1 | 7.1 | 6.1 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Other engineering | 3.3 | 4.5 | 4.5 | 4.8 | 3.7 | 4.9 | 4.2 | 4.3 | 2.6 | 2.9 |
| Sciences ¹ | 67.2 | 67.4 | 67.4 | 67.2 | 70.2 | 67.9 | 69.0 | 69.0 | 70.5 | 66.4 |
| Agricultural sciences | 3.1 | 3.3 | 3.5 | 4.1 | 3.8 | 3.3 | 4.0 | 1.9 | 2.7 | 2.4 |
| Biological sciences | 18.6 | 18.6 | 22.0 | 20.0 | 23.3 | 23.7 | 20.5 | 21.1 | 19.8 | 19.2 |
| Computer sciences | 4.5 | 4.2 | 3.7 | 4.8 | 4.8 | 5.4 | 6.2 | 5.6 | 6.8 | 6.3 |
| Earth, atmospheric, and ocean sciences | 3.9 | 3.4 | 3.8 | 3.5 | 2.9 | 3.3 | 2.6 | 3.1 | 3.6 | 3.9 |
| Mathematics | 5.6 | 6.7 | 5.6 | 4.3 | 4.9 | 3.7 | 4.0 | 5.1 | 2.9 | 4.2 |
| Physical sciences | 18.8 | 20.7 | 16.7 | 16.7 | 16.5 | 15.2 | 15.4 | 16.7 | 16.8 | 14.4 |
| Astronomy | 0.4 | 0.7 | 0.4 | 0.4 | 0.8 | 0.4 | 1.0 | 0.3 | 0.8 | 0.5 |
| Chemistry | 9.2 | 10.4 | 8.9 | 8.3 | 8.1 | 8.2 | 8.3 | 8.1 | 8.6 | 7.5 |
| Physics | 9.2 | 9.6 | 7.3 | 8.0 | 7.4 | 6.6 | 5.9 | 8.2 | 7.3 | 6.3 |
| Other physical sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| Psychology | 1.2 | 1.4 | 1.2 | 1.8 | 2.4 | 2.0 | 3.3 | 3.1 | 3.9 | 3.7 |
| Social sciences ¹ | 11.5 | 9.0 | 10.9 | 12.0 | 11.6 | 11.2 | 13.0 | 12.4 | 13.9 | 12.4 |
| Non-U.S. citizens with permanent visas, women | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 13.3 | 14.3 | 11.9 | 12.7 | 11.4 | 10.8 | 13.9 | 12.7 | 15.0 | 13.2 |
| Aeronautical/astronautical | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.2 | 0.4 |
| Chemical | 2.7 | 1.8 | 1.7 | 2.1 | 1.8 | 1.7 | 1.8 | 2.1 | 3.0 | 0.8 |
| Civil | 0.9 | 1.6 | 1.1 | 1.7 | 1.2 | 1.2 | 1.2 | 1.3 | 1.6 | 1.2 |
| Electrical | 3.0 | 4.0 | 2.5 | 4.1 | 3.7 | 3.2 | 4.7 | 4.5 | 4.2 | 3.7 |
| Industrial | 0.4 | 0.8 | 0.6 | 0.4 | 0.3 | 0.5 | 0.2 | 0.9 | 0.8 | 1.0 |
| Materials/metallurgical | 1.5 | 2.5 | 1.9 | 1.7 | 2.1 | 0.8 | 1.4 | 1.3 | 0.8 | 2.0 |
| Mechanical | 2.8 | 2.1 | 1.7 | 1.2 | 1.3 | 1.3 | 1.8 | 0.7 | 2.0 | 1.8 |
| Other engineering | 1.9 | 1.6 | 2.3 | 1.6 | 1.0 | 2.2 | 2.9 | 1.5 | 2.6 | 2.4 |
| Sciences ¹ | 86.7 | 85.7 | 88.1 | 87.3 | 88.6 | 89.2 | 86.1 | 87.3 | 85.0 | 86.8 |
| Agricultural sciences | 3.5 | 2.2 | 3.3 | 2.7 | 4.3 | 2.7 | 3.7 | 2.6 | 2.6 | 3.9 |
| Biological sciences | 31.7 | 36.3 | 39.2 | 36.6 | 35.5 | 35.8 | 35.4 | 35.0 | 36.4 | 29.8 |
| Computer sciences | 2.1 | 2.6 | 1.5 | 2.3 | 3.0 | 2.5 | 2.6 | 2.6 | 3.8 | 3.7 |
| Earth, atmospheric, and ocean sciences | 2.4 | 3.1 | 1.8 | 2.3 | 3.4 | 2.7 | 2.4 | 2.6 | 2.4 | 3.0 |
| Mathematics | 3.7 | 5.0 | 4.4 | 4.4 | 4.0 | 4.5 | 3.7 | 3.2 | 2.4 | 4.1 |
| Physical sciences | 21.7 | 18.5 | 15.7 | 14.9 | 13.6 | 13.6 | 12.6 | 11.2 | 9.9 | 13.0 |
| Astronomy | 0.1 | 0.4 | 0.4 | 0.1 | 0.6 | 0.3 | 0.6 | 0.4 | 0.0 | 0.4 |
| Chemistry | 15.0 | 12.5 | 11.7 | 10.3 | 10.3 | 10.6 | 9.2 | 8.1 | 7.1 | 9.7 |
| Physics | 6.4 | 5.5 | 3.6 | 4.1 | 2.7 | 2.7 | 2.8 | 2.6 | 2.8 | 3.0 |
| Other physical sciences | 0.1 | 0.1 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| Psychology | 7.3 | 6.4 | 8.6 | 8.0 | 9.0 | 8.2 | 8.8 | 9.7 | 8.9 | 9.5 |
| Social sciences ¹ | 14.3 | 11.5 | 13.5 | 16.0 | 16.0 | 19.3 | 16.9 | 20.2 | 18.6 | 19.7 |
| Non-U.S. citizens with temporary visas | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 35.2 | 36.1 | 34.9 | 34.0 | 33.2 | 30.3 | 32.0 | 35.0 | 34.4 | 34.7 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Aeronautical/astronautical | 1.3 | 1.3 | 1.2 | 1.3 | 0.9 | 1.1 | 1.0 | 1.1 | 1.4 | 1.3 |
| Chemical | 4.5 | 4.5 | 5.1 | 4.6 | 4.8 | 3.9 | 4.0 | 4.2 | 4.2 | 4.0 |
| Civil | 5.1 | 4.8 | 4.7 | 4.1 | 4.1 | 3.5 | 3.7 | 3.8 | 4.5 | 4.6 |
| Electrical | 9.8 | 10.2 | 9.6 | 9.5 | 9.1 | 8.8 | 10.2 | 11.7 | 10.7 | 11.0 |
| Industrial | 1.4 | 1.9 | 1.5 | 1.6 | 1.5 | 1.5 | 1.2 | 1.4 | 1.7 | 1.6 |
| Materials/metallurgical | 3.1 | 3.2 | 2.8 | 3.2 | 2.9 | 2.7 | 2.4 | 3.1 | 2.5 | 3.1 |
| Mechanical | 6.1 | 6.3 | 5.6 | 6.0 | 5.8 | 4.9 | 5.7 | 6.2 | 5.8 | 5.3 |
| Other engineering | 4.0 | 3.9 | 4.4 | 3.8 | 4.0 | 3.9 | 3.9 | 3.5 | 3.5 | 3.7 |
| Sciences ¹ | 64.8 | 63.9 | 65.1 | 66.0 | 66.8 | 69.7 | 68.0 | 65.0 | 65.6 | 65.3 |
| Agricultural sciences | 6.0 | 6.1 | 5.6 | 5.2 | 5.9 | 6.3 | 5.4 | 4.5 | 5.2 | 4.7 |
| Biological sciences | 14.0 | 13.9 | 15.9 | 17.6 | 17.2 | 17.8 | 18.1 | 15.6 | 16.8 | 16.7 |
| Computer sciences | 4.6 | 5.2 | 4.8 | 4.4 | 4.2 | 4.6 | 4.7 | 4.5 | 4.5 | 4.5 |
| Earth, atmospheric, and ocean sciences | 2.6 | 2.5 | 2.6 | 3.1 | 2.8 | 3.3 | 2.7 | 3.2 | 3.3 | 2.7 |
| Mathematics | 6.0 | 5.5 | 5.7 | 5.9 | 5.7 | 6.1 | 5.8 | 5.5 | 5.7 | 5.2 |
| Physical sciences | 14.7 | 13.3 | 14.6 | 14.4 | 15.5 | 15.6 | 15.1 | 15.3 | 14.5 | 14.6 |
| Astronomy | 0.4 | 0.4 | 0.5 | 0.5 | 0.7 | 0.5 | 0.5 | 0.7 | 0.4 | 0.4 |
| Chemistry | 7.9 | 7.0 | 7.8 | 8.0 | 8.5 | 8.6 | 8.5 | 8.5 | 7.8 | 8.2 |
| Physics | 6.3 | 5.7 | 6.2 | 5.9 | 6.3 | 6.4 | 6.0 | 6.1 | 6.3 | 5.9 |
| Other physical sciences | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Psychology | 2.0 | 2.4 | 2.3 | 1.8 | 2.2 | 2.1 | 2.1 | 1.9 | 2.0 | 2.3 |
| Social sciences ¹ | 14.8 | 15.2 | 13.6 | 13.5 | 13.3 | 13.9 | 14.1 | 14.5 | 13.5 | 14.5 |
| Non-U.S. citizens with temporary visas, men | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 39.8 | 41.1 | 39.6 | 39.2 | 38.3 | 34.6 | 37.1 | 39.7 | 39.5 | 40.1 |
| Aeronautical/astronautical | 1.5 | 1.6 | 1.4 | 1.6 | 1.1 | 1.4 | 1.2 | 1.3 | 1.7 | 1.5 |
| Chemical | 4.9 | 5.1 | 5.6 | 5.0 | 5.2 | 4.3 | 4.5 | 4.3 | 4.4 | 4.2 |
| Civil | 5.8 | 5.5 | 5.4 | 4.8 | 4.6 | 4.1 | 4.2 | 4.3 | 5.1 | 5.4 |
| Electrical | 10.9 | 11.6 | 11.0 | 11.3 | 10.9 | 10.3 | 12.0 | 13.4 | 12.8 | 13.1 |
| Industrial | 1.7 | 2.0 | 1.6 | 1.8 | 1.7 | 1.7 | 1.4 | 1.6 | 1.9 | 1.7 |
| Materials/metallurgical | 3.5 | 3.6 | 3.2 | 3.5 | 3.3 | 2.9 | 2.7 | 3.3 | 2.9 | 3.3 |
| Mechanical | 7.2 | 7.4 | 6.6 | 7.0 | 7.1 | 5.8 | 6.9 | 7.4 | 7.0 | 6.6 |
| Other engineering | 4.4 | 4.3 | 4.7 | 4.1 | 4.4 | 4.2 | 4.3 | 4.0 | 3.7 | 4.2 |
| Sciences ¹ | 60.2 | 58.9 | 60.4 | 60.8 | 61.7 | 65.4 | 62.9 | 60.3 | 60.5 | 59.9 |
| Agricultural sciences | 5.9 | 5.9 | 5.4 | 5.0 | 5.9 | 6.1 | 5.4 | 4.2 | 5.1 | 4.2 |
| Biological sciences | 11.3 | 11.0 | 12.6 | 13.7 | 13.2 | 14.7 | 14.4 | 12.4 | 13.6 | 13.1 |
| Computer sciences | 4.9 | 5.6 | 5.3 | 4.9 | 5.1 | 5.1 | 5.4 | 5.2 | 5.0 | 5.1 |
| Earth, atmospheric, and ocean sciences | 2.6 | 2.6 | 2.7 | 3.2 | 2.9 | 3.5 | 2.5 | 3.2 | 3.5 | 2.7 |
| Mathematics | 5.9 | 5.3 | 5.7 | 6.1 | 6.0 | 6.5 | 6.2 | 5.4 | 5.6 | 5.5 |
| Physical sciences | 14.6 | 13.4 | 14.7 | 14.4 | 15.4 | 15.7 | 15.6 | 15.8 | 14.4 | 15.2 |
| Astronomy | 0.5 | 0.4 | 0.6 | 0.5 | 0.6 | 0.5 | 0.6 | 0.8 | 0.5 | 0.4 |
| Chemistry | 7.1 | 6.6 | 7.3 | 7.4 | 7.6 | 7.9 | 8.2 | 8.0 | 6.9 | 7.9 |
| Physics | 7.0 | 6.3 | 6.8 | 6.5 | 7.2 | 7.2 | 6.7 | 7.0 | 7.0 | 6.8 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Other physical sciences | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| Psychology | 1.1 | 1.4 | 1.4 | 1.0 | 1.1 | 1.3 | 1.2 | 1.1 | 1.1 | 1.2 |
| Social sciences ¹ | 13.8 | 13.7 | 12.7 | 12.6 | 12.0 | 12.6 | 12.3 | 12.9 | 12.2 | 12.9 |
| Non-U.S. citizens with temporary visas, women | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 13.5 | 12.7 | 15.2 | 13.9 | 15.6 | 15.8 | 16.2 | 20.7 | 19.6 | 19.8 |
| Aeronautical/astronautical | 0.2 | 0.1 | 0.3 | 0.3 | 0.1 | 0.3 | 0.2 | 0.4 | 0.5 | 0.7 |
| Chemical | 2.6 | 1.7 | 3.0 | 2.8 | 3.4 | 2.7 | 2.6 | 4.0 | 3.8 | 3.6 |
| Civil | 1.9 | 1.8 | 2.1 | 1.4 | 2.2 | 1.6 | 2.0 | 2.1 | 2.8 | 2.5 |
| Electrical | 4.2 | 3.5 | 3.5 | 2.4 | 3.0 | 3.8 | 4.7 | 6.5 | 4.5 | 5.0 |
| Industrial | 0.3 | 1.3 | 0.9 | 0.7 | 0.8 | 0.7 | 0.8 | 0.8 | 1.4 | 1.4 |
| Materials/metallurgical | 1.2 | 1.2 | 1.3 | 2.2 | 1.7 | 2.0 | 1.4 | 2.5 | 1.5 | 2.4 |
| Mechanical | 1.1 | 1.0 | 1.1 | 1.9 | 1.7 | 1.9 | 1.9 | 2.5 | 2.4 | 1.9 |
| Other engineering | 2.0 | 2.1 | 3.1 | 2.2 | 2.7 | 2.9 | 2.6 | 2.0 | 2.8 | 2.3 |
| Sciences ¹ | 86.5 | 87.3 | 84.8 | 86.1 | 84.4 | 84.2 | 83.8 | 79.3 | 80.4 | 80.2 |
| Agricultural sciences | 6.6 | 7.1 | 6.8 | 6.1 | 6.1 | 7.0 | 5.6 | 5.6 | 5.5 | 5.9 |
| Biological sciences | 26.9 | 26.8 | 29.4 | 33.1 | 30.7 | 28.4 | 29.7 | 25.4 | 26.3 | 26.6 |
| Computer sciences | 3.1 | 3.4 | 2.8 | 2.5 | 1.3 | 2.9 | 2.6 | 2.4 | 3.2 | 3.0 |
| Earth, atmospheric, and ocean sciences | 3.0 | 1.8 | 2.4 | 2.4 | 2.3 | 2.9 | 3.1 | 3.1 | 2.4 | 2.7 |
| Mathematics | 6.4 | 6.3 | 5.5 | 4.9 | 4.8 | 4.7 | 4.5 | 5.6 | 6.2 | 4.7 |
| Physical sciences | 15.1 | 12.8 | 13.9 | 14.7 | 15.9 | 15.0 | 13.5 | 13.9 | 14.6 | 12.9 |
| Astronomy | 0.3 | 0.3 | 0.4 | 0.7 | 1.0 | 0.4 | 0.3 | 0.4 | 0.2 | 0.4 |
| Chemistry | 11.9 | 9.2 | 9.9 | 10.1 | 11.6 | 10.9 | 9.3 | 10.0 | 10.2 | 9.0 |
| Physics | 2.9 | 3.1 | 3.6 | 3.8 | 3.2 | 3.7 | 3.8 | 3.3 | 4.0 | 3.4 |
| Other physical sciences | 0.0 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.1 |
| Psychology | 6.1 | 6.8 | 6.3 | 5.2 | 5.8 | 5.0 | 5.2 | 4.3 | 4.8 | 5.5 |
| Social sciences ¹ | 19.5 | 22.1 | 17.7 | 17.2 | 17.5 | 18.3 | 19.7 | 19.1 | 17.4 | 18.9 |
| Citizenship unknown | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 23.9 | 26.1 | 24.5 | 17.1 | 23.9 | 22.1 | 25.0 | 22.2 | 19.0 | 16.1 |
| Aeronautical/astronautical | 0.8 | 0.9 | 1.3 | 0.6 | 1.4 | 1.1 | 1.1 | 1.1 | 0.8 | 0.7 |
| Chemical | 1.7 | 1.7 | 0.8 | 1.1 | 2.3 | 1.9 | 3.0 | 2.8 | 3.1 | 1.2 |
| Civil | 1.5 | 1.9 | 2.8 | 1.4 | 3.0 | 1.7 | 1.3 | 2.1 | 2.2 | 1.4 |
| Electrical | 8.1 | 9.0 | 8.2 | 5.1 | 6.7 | 6.6 | 9.3 | 6.7 | 4.5 | 4.1 |
| Industrial | 0.0 | 0.8 | 0.8 | 0.7 | 0.6 | 0.4 | 0.4 | 0.7 | 1.1 | 0.3 |
| Materials/metallurgical | 1.9 | 2.3 | 2.0 | 1.7 | 1.9 | 1.3 | 2.2 | 1.9 | 1.9 | 1.2 |
| Mechanical | 3.7 | 4.3 | 3.7 | 2.6 | 4.3 | 3.4 | 2.9 | 2.6 | 2.8 | 2.9 |
| Other engineering | 6.2 | 5.3 | 5.0 | 3.9 | 3.7 | 5.8 | 4.8 | 4.3 | 2.6 | 4.3 |
| Sciences ¹ | 76.1 | 73.9 | 75.5 | 82.9 | 76.1 | 77.9 | 75.0 | 77.8 | 81.0 | 83.9 |
| Agricultural sciences | 1.7 | 1.7 | 2.4 | 3.0 | 2.6 | 1.2 | 2.2 | 5.1 | 5.2 | 4.4 |
| Biological sciences | 11.6 | 14.3 | 15.3 | 15.9 | 16.3 | 15.1 | 16.9 | 16.5 | 20.7 | 20.5 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Computer sciences | 3.5 | 3.0 | 3.8 | 4.4 | 3.0 | 2.9 | 3.3 | 3.5 | 2.8 | 3.9 |
| Earth, atmospheric, and ocean sciences | 2.5 | 2.4 | 4.0 | 3.0 | 2.9 | 3.3 | 3.8 | 2.4 | 3.0 | 3.6 |
| Mathematics | 2.1 | 6.6 | 4.1 | 4.0 | 4.9 | 3.0 | 2.8 | 3.8 | 2.6 | 3.2 |
| Physical sciences | 16.4 | 13.0 | 16.8 | 14.1 | 13.3 | 15.5 | 13.3 | 10.4 | 11.4 | 10.8 |
| Astronomy | 0.0 | 0.8 | 0.1 | 0.2 | 0.6 | 0.4 | 0.3 | 0.8 | 0.3 | 0.2 |
| Chemistry | 9.1 | 8.5 | 9.6 | 8.3 | 7.3 | 9.2 | 8.4 | 6.0 | 7.1 | 7.2 |
| Physics | 6.4 | 3.8 | 7.0 | 5.4 | 5.4 | 5.8 | 4.5 | 3.1 | 3.9 | 2.8 |
| Other physical sciences | 0.8 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.1 | 0.5 | 0.1 | 0.6 |
| Psychology | 19.1 | 15.0 | 10.8 | 22.2 | 18.6 | 19.8 | 18.7 | 20.6 | 18.0 | 19.3 |
| Social sciences ¹ | 19.3 | 17.9 | 18.3 | 16.2 | 14.4 | 17.1 | 14.1 | 15.6 | 17.2 | 18.2 |
| Citizenship unknown, men | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 27.8 | 28.8 | 27.3 | 21.9 | 30.4 | 27.0 | 30.9 | 29.7 | 22.3 | 22.3 |
| Aeronautical/astronautical | 1.5 | 1.0 | 1.8 | 0.7 | 2.2 | 1.4 | 1.1 | 1.5 | 1.0 | 1.1 |
| Chemical | 2.2 | 2.8 | 1.1 | 1.3 | 2.8 | 2.5 | 4.0 | 3.2 | 3.2 | 1.7 |
| Civil | 1.5 | 1.4 | 3.8 | 2.0 | 3.9 | 2.6 | 1.3 | 2.9 | 2.5 | 2.1 |
| Electrical | 10.3 | 9.0 | 7.9 | 7.3 | 8.3 | 7.7 | 11.8 | 9.7 | 5.7 | 5.4 |
| Industrial | 0.0 | 0.3 | 0.9 | 1.0 | 0.8 | 0.6 | 0.3 | 0.8 | 0.7 | 0.3 |
| Materials/metallurgical | 1.1 | 2.8 | 1.6 | 2.2 | 2.4 | 1.4 | 3.0 | 2.8 | 2.4 | 1.7 |
| Mechanical | 4.0 | 5.2 | 3.6 | 3.6 | 5.0 | 4.0 | 3.9 | 3.5 | 3.7 | 4.3 |
| Other engineering | 7.3 | 6.3 | 6.5 | 3.9 | 4.9 | 6.9 | 5.5 | 5.3 | 3.2 | 5.7 |
| Sciences ¹ | 72.2 | 71.2 | 72.7 | 78.1 | 69.6 | 73.0 | 69.1 | 70.3 | 77.7 | 77.7 |
| Agricultural sciences | 1.5 | 0.7 | 2.9 | 3.2 | 3.1 | 0.9 | 3.0 | 5.6 | 6.2 | 4.1 |
| Biological sciences | 11.7 | 11.1 | 14.2 | 15.5 | 15.5 | 14.1 | 15.2 | 15.6 | 20.5 | 20.4 |
| Computer sciences | 4.4 | 4.5 | 3.8 | 4.5 | 3.1 | 3.4 | 4.0 | 4.1 | 3.4 | 5.1 |
| Earth, atmospheric, and ocean sciences | 2.2 | 2.4 | 3.8 | 3.8 | 3.7 | 3.5 | 4.8 | 2.1 | 3.8 | 4.1 |
| Mathematics | 2.2 | 9.0 | 4.1 | 4.6 | 5.4 | 3.7 | 3.0 | 4.7 | 2.9 | 4.3 |
| Physical sciences | 20.9 | 14.6 | 17.6 | 17.6 | 14.5 | 19.9 | 15.6 | 11.6 | 14.5 | 12.1 |
| Astronomy | 0.0 | 1.0 | 0.2 | 0.3 | 0.9 | 0.8 | 0.5 | 0.8 | 0.2 | 0.4 |
| Chemistry | 11.4 | 8.3 | 8.6 | 9.9 | 7.1 | 10.9 | 9.0 | 6.5 | 8.4 | 7.1 |
| Physics | 8.4 | 5.2 | 8.8 | 7.1 | 6.5 | 8.3 | 5.9 | 3.9 | 5.7 | 3.7 |
| Other physical sciences | 1.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 | 0.4 | 0.1 | 0.9 |
| Psychology | 12.1 | 13.2 | 6.3 | 12.6 | 10.9 | 11.6 | 11.3 | 10.8 | 10.0 | 10.6 |
| Social sciences ¹ | 17.2 | 15.6 | 19.9 | 16.3 | 13.4 | 15.9 | 12.3 | 15.7 | 16.4 | 17.0 |
| Citizenship unknown, women | | | | | | | | | | |
| Science and engineering ¹ | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Engineering | 8.5 | 13.6 | 12.5 | 6.4 | 11.4 | 10.2 | 11.1 | 9.7 | 12.3 | 3.9 |
| Aeronautical/astronautical | 0.0 | 0.8 | 0.5 | 0.0 | 0.2 | 0.6 | 0.8 | 0.4 | 0.6 | 0.0 |
| Chemical | 0.0 | 0.0 | 0.0 | 0.5 | 0.9 | 1.1 | 0.8 | 2.0 | 2.8 | 0.2 |
| Civil | 0.0 | 0.8 | 0.5 | 0.2 | 0.7 | 0.6 | 0.8 | 0.7 | 1.6 | 0.2 |
| Electrical | 2.8 | 7.2 | 6.0 | 1.9 | 3.1 | 3.3 | 3.5 | 2.0 | 1.8 | 0.9 |
| Industrial | 0.0 | 0.0 | 1.1 | 0.2 | 0.5 | 0.0 | 0.5 | 0.4 | 1.6 | 0.0 |

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by citizenship status, sex, and major field of study of recipients:
1994–2003
(Percent distribution)

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Materials/metallurgical | 2.8 | 0.8 | 0.5 | 0.2 | 0.7 | 0.3 | 0.8 | 0.4 | 1.0 | 0.5 |
| Mechanical | 0.9 | 1.6 | 1.1 | 0.9 | 3.3 | 1.4 | 1.3 | 0.9 | 1.0 | 0.2 |
| Other engineering | 1.9 | 2.4 | 2.7 | 2.4 | 1.9 | 3.0 | 2.8 | 2.9 | 1.8 | 1.8 |
| Sciences ¹ | 91.5 | 86.4 | 87.5 | 93.6 | 88.6 | 89.8 | 88.9 | 90.3 | 87.7 | 96.1 |
| Agricultural sciences | 1.9 | 3.2 | 2.7 | 2.8 | 1.9 | 0.8 | 1.0 | 3.3 | 3.6 | 4.8 |
| Biological sciences | 10.4 | 18.4 | 17.9 | 16.7 | 18.2 | 17.1 | 20.6 | 17.7 | 22.3 | 21.5 |
| Computer sciences | 1.9 | 0.0 | 3.3 | 2.8 | 3.1 | 1.1 | 1.8 | 2.2 | 1.4 | 2.3 |
| Earth, atmospheric, and ocean sciences | 0.0 | 3.2 | 3.3 | 2.1 | 1.7 | 2.8 | 1.0 | 2.9 | 1.4 | 3.0 |
| Mathematics | 0.9 | 2.4 | 1.6 | 2.6 | 3.3 | 2.2 | 2.8 | 2.6 | 2.0 | 1.6 |
| Physical sciences | 3.8 | 8.0 | 12.5 | 9.9 | 10.2 | 8.3 | 9.5 | 8.4 | 6.8 | 8.4 |
| Astronomy | 0.0 | 0.8 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.9 | 0.4 | 0.0 |
| Chemistry | 3.8 | 7.2 | 9.8 | 6.8 | 6.9 | 7.2 | 7.3 | 5.1 | 5.2 | 7.3 |
| Physics | 0.0 | 0.0 | 2.7 | 2.6 | 3.3 | 1.1 | 2.3 | 1.8 | 1.2 | 0.9 |
| Other physical sciences | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.2 |
| Psychology | 50.9 | 31.2 | 27.7 | 41.9 | 33.9 | 37.8 | 34.4 | 37.7 | 32.2 | 34.9 |
| Social sciences ¹ | 21.7 | 20.0 | 18.5 | 14.8 | 16.4 | 19.6 | 17.8 | 15.5 | 17.9 | 19.6 |

¹Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

NOTE: Persons with unknown citizenship, sex are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 30,897 | 32,059 | 31,540 | 31,082 | 31,158 | 30,292 | 29,928 | 28,869 | 27,646 | 28,044 |
| Science and engineering ¹ | 18,188 | 18,996 | 18,647 | 18,393 | 18,256 | 17,565 | 17,114 | 16,338 | 15,508 | 15,669 |
| Engineering | 3,053 | 3,342 | 3,389 | 3,332 | 3,044 | 2,888 | 2,571 | 2,439 | 2,163 | 2,163 |
| Chemical | 380 | 381 | 391 | 409 | 374 | 371 | 382 | 358 | 336 | 292 |
| Civil | 292 | 309 | 305 | 327 | 297 | 312 | 261 | 269 | 247 | 269 |
| Electrical | 899 | 971 | 929 | 940 | 804 | 766 | 648 | 560 | 507 | 494 |
| Mechanical | 538 | 563 | 588 | 538 | 515 | 463 | 396 | 427 | 342 | 332 |
| Other engineering | 944 | 1,118 | 1,176 | 1,118 | 1,054 | 976 | 884 | 825 | 731 | 776 |
| Sciences ¹ | 15,135 | 15,654 | 15,258 | 15,061 | 15,212 | 14,677 | 14,543 | 13,899 | 13,345 | 13,506 |
| Agricultural sciences | 616 | 598 | 575 | 550 | 543 | 494 | 502 | 431 | 421 | 477 |
| Biological sciences | 4,088 | 4,329 | 4,364 | 4,256 | 4,308 | 4,124 | 4,268 | 4,243 | 4,111 | 4,047 |
| Computer sciences | 543 | 616 | 514 | 520 | 561 | 492 | 457 | 423 | 419 | 440 |
| Earth, atmospheric, and ocean sciences | 613 | 594 | 558 | 607 | 562 | 526 | 510 | 467 | 494 | 512 |
| Mathematics | 657 | 771 | 648 | 629 | 669 | 605 | 574 | 524 | 442 | 516 |
| Physical sciences | 2,789 | 2,841 | 2,571 | 2,497 | 2,455 | 2,277 | 2,092 | 2,045 | 1,939 | 1,966 |
| Astronomy | 112 | 141 | 149 | 158 | 147 | 117 | 139 | 123 | 109 | 130 |
| Chemistry | 1,616 | 1,624 | 1,463 | 1,439 | 1,467 | 1,406 | 1,241 | 1,230 | 1,229 | 1,262 |
| Physics | 1,044 | 1,059 | 949 | 883 | 823 | 742 | 692 | 677 | 589 | 552 |
| Other physical sciences | 17 | 17 | 10 | 17 | 18 | 12 | 20 | 15 | 12 | 22 |
| Psychology | 3,136 | 3,184 | 3,233 | 3,125 | 3,274 | 3,292 | 3,231 | 3,033 | 2,794 | 2,846 |
| Social sciences ¹ | 2,693 | 2,721 | 2,795 | 2,877 | 2,840 | 2,867 | 2,909 | 2,733 | 2,725 | 2,702 |
| Non-S&E ¹ | 12,709 | 13,063 | 12,893 | 12,689 | 12,902 | 12,727 | 12,814 | 12,531 | 12,138 | 12,375 |
| Education | 6,066 | 5,995 | 6,075 | 5,747 | 5,745 | 5,814 | 5,680 | 5,450 | 5,395 | 5,631 |
| Health | 1,050 | 1,043 | 1,016 | 1,028 | 1,154 | 1,049 | 1,195 | 1,157 | 1,191 | 1,225 |
| Humanities ¹ | 3,765 | 4,056 | 4,047 | 4,235 | 4,327 | 4,292 | 4,391 | 4,379 | 4,111 | 4,130 |
| Professional/other/unknown | 1,828 | 1,969 | 1,755 | 1,679 | 1,676 | 1,572 | 1,548 | 1,545 | 1,441 | 1,389 |
| American Indian/Alaskan Native | | | | | | | | | | |
| Grand total, all fields | 143 | 148 | 186 | 167 | 189 | 214 | 169 | 151 | 150 | 136 |
| Science and engineering ¹ | 64 | 68 | 95 | 79 | 96 | 114 | 88 | 74 | 70 | 72 |
| Engineering | 6 | 9 | 14 | 17 | 13 | 12 | 8 | 7 | 7 | 11 |
| Chemical | 1 | 2 | 1 | 4 | 3 | 2 | 1 | 1 | 2 | 1 |
| Civil | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 0 | 0 | 1 |
| Electrical | 1 | 1 | 2 | 5 | 3 | 1 | 0 | 1 | 0 | 5 |
| Mechanical | 0 | 2 | 3 | 6 | 2 | 2 | 3 | 1 | 1 | 1 |
| Other engineering | 4 | 4 | 6 | 0 | 5 | 5 | 3 | 4 | 4 | 3 |
| Sciences ¹ | 58 | 59 | 81 | 62 | 83 | 102 | 80 | 67 | 63 | 61 |
| Agricultural sciences | 1 | 2 | 6 | 5 | 9 | 1 | 4 | 0 | 2 | 4 |
| Biological sciences | 16 | 15 | 20 | 7 | 12 | 20 | 17 | 15 | 12 | 11 |
| Computer sciences | 1 | 0 | 4 | 1 | 4 | 1 | 1 | 1 | 2 | 2 |
| Earth, atmospheric, and ocean sciences | 1 | 0 | 2 | 2 | 3 | 6 | 5 | 0 | 0 | 2 |
| Mathematics | 2 | 2 | 1 | 1 | 3 | 1 | 2 | 2 | 3 | 2 |
| Physical sciences | 6 | 8 | 6 | 10 | 9 | 9 | 9 | 12 | 7 | 2 |
| Astronomy | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Chemistry | 4 | 6 | 4 | 6 | 7 | 5 | 7 | 11 | 5 | 2 |

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physics | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 0 | 2 | 0 |
| Other physical sciences | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 12 | 14 | 17 | 18 | 31 | 35 | 22 | 17 | 15 | 22 |
| Social sciences ¹ | 19 | 18 | 25 | 18 | 12 | 29 | 20 | 20 | 22 | 16 |
| Non-S&E ¹ | 79 | 80 | 91 | 88 | 93 | 100 | 81 | 77 | 80 | 64 |
| Education | 37 | 41 | 60 | 51 | 50 | 58 | 51 | 42 | 46 | 40 |
| Health | 6 | 9 | 4 | 6 | 4 | 6 | 4 | 6 | 3 | 2 |
| Humanities ¹ | 20 | 18 | 18 | 19 | 21 | 21 | 20 | 21 | 20 | 15 |
| Professional/other/unknown | 16 | 12 | 9 | 12 | 18 | 15 | 6 | 8 | 11 | 7 |
| Asian/Pacific Islander | | | | | | | | | | |
| Grand total, all fields | 3,534 | 4,297 | 3,674 | 3,109 | 2,707 | 2,495 | 2,272 | 2,218 | 2,186 | 2,094 |
| Science and engineering ¹ | 2,982 | 3,659 | 3,079 | 2,529 | 2,135 | 1,932 | 1,706 | 1,649 | 1,659 | 1,555 |
| Engineering | 865 | 1,032 | 896 | 707 | 554 | 512 | 439 | 426 | 411 | 342 |
| Chemical | 96 | 101 | 80 | 73 | 65 | 58 | 69 | 53 | 71 | 47 |
| Civil | 69 | 91 | 89 | 72 | 38 | 46 | 43 | 37 | 29 | 21 |
| Electrical | 303 | 322 | 276 | 256 | 205 | 172 | 141 | 134 | 131 | 129 |
| Mechanical | 179 | 188 | 166 | 113 | 89 | 88 | 72 | 76 | 71 | 51 |
| Other engineering | 218 | 330 | 285 | 193 | 157 | 148 | 114 | 126 | 109 | 94 |
| Sciences ¹ | 2,117 | 2,627 | 2,183 | 1,822 | 1,581 | 1,420 | 1,267 | 1,223 | 1,248 | 1,213 |
| Agricultural sciences | 72 | 78 | 80 | 63 | 47 | 46 | 30 | 16 | 24 | 23 |
| Biological sciences | 719 | 920 | 885 | 721 | 657 | 608 | 539 | 558 | 581 | 542 |
| Computer sciences | 116 | 137 | 111 | 107 | 90 | 87 | 76 | 61 | 86 | 82 |
| Earth, atmospheric, and ocean sciences | 89 | 104 | 77 | 70 | 51 | 39 | 28 | 35 | 31 | 26 |
| Mathematics | 142 | 207 | 140 | 97 | 71 | 56 | 70 | 48 | 29 | 51 |
| Physical sciences | 598 | 749 | 501 | 400 | 331 | 252 | 203 | 202 | 200 | 186 |
| Astronomy | 10 | 22 | 12 | 8 | 13 | 3 | 13 | 6 | 13 | 8 |
| Chemistry | 331 | 415 | 295 | 234 | 206 | 183 | 121 | 126 | 127 | 114 |
| Physics | 254 | 311 | 193 | 157 | 111 | 66 | 68 | 70 | 60 | 63 |
| Other physical sciences | 3 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| Psychology | 108 | 121 | 121 | 126 | 113 | 132 | 145 | 122 | 128 | 125 |
| Social sciences ¹ | 273 | 311 | 268 | 238 | 221 | 200 | 176 | 181 | 169 | 178 |
| Non-S&E ¹ | 552 | 638 | 595 | 580 | 572 | 563 | 566 | 569 | 527 | 539 |
| Education | 172 | 179 | 180 | 180 | 177 | 166 | 173 | 153 | 154 | 163 |
| Health | 93 | 93 | 87 | 87 | 83 | 87 | 99 | 108 | 95 | 90 |
| Humanities ¹ | 149 | 192 | 187 | 179 | 192 | 193 | 176 | 184 | 178 | 186 |
| Professional/other/unknown | 138 | 174 | 141 | 134 | 120 | 117 | 118 | 124 | 100 | 100 |
| Black | | | | | | | | | | |
| Grand total, all fields | 1,277 | 1,461 | 1,446 | 1,474 | 1,604 | 1,762 | 1,748 | 1,732 | 1,749 | 1,796 |
| Science and engineering ¹ | 498 | 550 | 572 | 615 | 644 | 714 | 710 | 703 | 685 | 661 |
| Engineering | 53 | 70 | 74 | 98 | 81 | 98 | 81 | 92 | 85 | 75 |
| Chemical | 8 | 3 | 12 | 16 | 3 | 11 | 8 | 17 | 12 | 9 |
| Civil | 8 | 11 | 8 | 10 | 9 | 6 | 6 | 11 | 13 | 9 |
| Electrical | 17 | 24 | 22 | 31 | 23 | 30 | 21 | 22 | 16 | 19 |

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Mechanical | 7 | 13 | 10 | 12 | 13 | 12 | 18 | 17 | 17 | 9 |
| Other engineering | 13 | 19 | 22 | 29 | 33 | 39 | 28 | 25 | 27 | 29 |
| Sciences ¹ | 445 | 480 | 498 | 517 | 563 | 616 | 629 | 611 | 600 | 586 |
| Agricultural sciences | 22 | 17 | 24 | 24 | 19 | 24 | 18 | 13 | 12 | 16 |
| Biological sciences | 78 | 107 | 98 | 112 | 111 | 116 | 118 | 139 | 124 | 108 |
| Computer sciences | 10 | 11 | 12 | 4 | 14 | 18 | 18 | 15 | 17 | 17 |
| Earth, atmospheric, and ocean sciences | 6 | 3 | 4 | 8 | 8 | 14 | 7 | 6 | 6 | 17 |
| Mathematics | 11 | 5 | 8 | 7 | 16 | 12 | 14 | 19 | 14 | 16 |
| Physical sciences | 46 | 42 | 59 | 51 | 56 | 66 | 62 | 55 | 67 | 57 |
| Astronomy | 0 | 1 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 1 |
| Chemistry | 34 | 33 | 45 | 35 | 45 | 56 | 44 | 42 | 44 | 42 |
| Physics | 11 | 8 | 14 | 14 | 10 | 8 | 16 | 12 | 22 | 12 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Psychology | 124 | 149 | 152 | 152 | 158 | 172 | 189 | 174 | 171 | 168 |
| Social sciences ¹ | 148 | 146 | 141 | 159 | 181 | 194 | 203 | 190 | 189 | 187 |
| Non-S&E ¹ | 779 | 911 | 874 | 859 | 960 | 1,048 | 1,038 | 1,029 | 1,064 | 1,135 |
| Education | 521 | 623 | 607 | 553 | 655 | 689 | 693 | 670 | 692 | 758 |
| Health | 46 | 60 | 48 | 55 | 65 | 57 | 75 | 64 | 72 | 79 |
| Humanities ¹ | 106 | 115 | 116 | 141 | 139 | 164 | 158 | 168 | 160 | 154 |
| Professional/other/unknown | 106 | 113 | 103 | 110 | 101 | 138 | 112 | 127 | 140 | 144 |
| Hispanic, total ² | | | | | | | | | | |
| Grand total, all fields | 1,030 | 1,064 | 1,113 | 1,198 | 1,327 | 1,324 | 1,308 | 1,271 | 1,368 | 1,419 |
| Science and engineering ¹ | 548 | 573 | 626 | 658 | 754 | 722 | 729 | 673 | 724 | 738 |
| Engineering | 66 | 77 | 99 | 96 | 110 | 83 | 82 | 90 | 97 | 103 |
| Chemical | 7 | 13 | 19 | 7 | 13 | 7 | 18 | 7 | 16 | 16 |
| Civil | 14 | 11 | 6 | 12 | 16 | 12 | 9 | 9 | 8 | 13 |
| Electrical | 21 | 15 | 27 | 26 | 31 | 30 | 22 | 22 | 31 | 23 |
| Mechanical | 8 | 8 | 13 | 14 | 19 | 9 | 12 | 21 | 12 | 13 |
| Other engineering | 16 | 30 | 34 | 37 | 31 | 25 | 21 | 31 | 30 | 38 |
| Sciences ¹ | 482 | 496 | 527 | 562 | 644 | 639 | 647 | 583 | 627 | 635 |
| Agricultural sciences | 25 | 21 | 13 | 26 | 35 | 15 | 26 | 20 | 18 | 22 |
| Biological sciences | 131 | 127 | 131 | 146 | 168 | 175 | 173 | 165 | 182 | 175 |
| Computer sciences | 7 | 6 | 16 | 16 | 15 | 14 | 14 | 8 | 14 | 10 |
| Earth, atmospheric, and ocean sciences | 8 | 13 | 19 | 16 | 16 | 21 | 18 | 15 | 17 | 18 |
| Mathematics | 13 | 15 | 11 | 20 | 27 | 15 | 15 | 15 | 12 | 16 |
| Physical sciences | 90 | 73 | 67 | 69 | 54 | 63 | 78 | 65 | 64 | 72 |
| Astronomy | 2 | 4 | 2 | 3 | 2 | 1 | 3 | 7 | 4 | 3 |
| Chemistry | 59 | 43 | 36 | 44 | 34 | 46 | 51 | 43 | 38 | 45 |
| Physics | 29 | 26 | 29 | 22 | 18 | 16 | 23 | 15 | 22 | 24 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 133 | 146 | 173 | 171 | 208 | 215 | 211 | 175 | 185 | 169 |
| Social sciences ¹ | 75 | 95 | 97 | 98 | 121 | 121 | 112 | 120 | 135 | 153 |
| Non-S&E ¹ | 482 | 491 | 487 | 540 | 573 | 602 | 579 | 598 | 644 | 681 |

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Education | 241 | 258 | 218 | 257 | 290 | 303 | 284 | 275 | 320 | 337 |
| Health | 25 | 30 | 38 | 32 | 37 | 46 | 34 | 30 | 32 | 44 |
| Humanities ¹ | 168 | 154 | 178 | 208 | 198 | 197 | 208 | 230 | 241 | 245 |
| Professional/other/unknown | 48 | 49 | 53 | 43 | 48 | 56 | 53 | 63 | 51 | 55 |
| Puerto Rican | | | | | | | | | | |
| Grand total, all fields | 257 | 269 | 252 | 313 | 308 | 335 | 329 | 303 | 345 | 259 |
| Science and engineering ¹ | 131 | 137 | 142 | 171 | 173 | 184 | 185 | 155 | 196 | 148 |
| Engineering | 10 | 13 | 22 | 23 | 17 | 23 | 20 | 13 | 26 | 19 |
| Chemical | 2 | 4 | 4 | 1 | 3 | 2 | 5 | 2 | 8 | 4 |
| Civil | 1 | 1 | 1 | 5 | 1 | 2 | 2 | 2 | 1 | 4 |
| Electrical | 3 | 3 | 4 | 4 | 3 | 11 | 6 | 2 | 7 | 4 |
| Mechanical | 1 | 1 | 3 | 6 | 5 | 2 | 2 | 1 | 3 | 2 |
| Other engineering | 3 | 4 | 10 | 7 | 5 | 6 | 5 | 6 | 7 | 5 |
| Sciences ¹ | 121 | 124 | 120 | 148 | 156 | 161 | 165 | 142 | 170 | 129 |
| Agricultural sciences | 5 | 3 | 4 | 4 | 3 | 1 | 6 | 4 | 8 | 3 |
| Biological sciences | 28 | 30 | 32 | 36 | 43 | 47 | 33 | 48 | 56 | 35 |
| Computer sciences | 4 | 0 | 5 | 6 | 2 | 6 | 5 | 1 | 4 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 2 | 3 | 6 | 5 | 5 | 5 | 3 | 4 | 4 |
| Mathematics | 1 | 1 | 3 | 4 | 7 | 2 | 2 | 2 | 3 | 3 |
| Physical sciences | 26 | 21 | 12 | 20 | 11 | 22 | 20 | 14 | 20 | 17 |
| Astronomy | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Chemistry | 19 | 17 | 9 | 13 | 9 | 18 | 19 | 11 | 11 | 14 |
| Physics | 7 | 3 | 3 | 7 | 1 | 4 | 1 | 3 | 8 | 2 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 43 | 44 | 48 | 56 | 71 | 57 | 74 | 45 | 50 | 47 |
| Social sciences ¹ | 14 | 23 | 13 | 16 | 14 | 21 | 20 | 25 | 25 | 18 |
| Non-S&E ¹ | 126 | 132 | 110 | 142 | 135 | 151 | 144 | 148 | 149 | 111 |
| Education | 68 | 69 | 52 | 72 | 77 | 90 | 75 | 88 | 79 | 52 |
| Health | 6 | 12 | 7 | 10 | 7 | 11 | 9 | 5 | 9 | 4 |
| Humanities ¹ | 38 | 30 | 38 | 49 | 37 | 31 | 44 | 41 | 51 | 40 |
| Professional/other/unknown | 14 | 21 | 13 | 11 | 14 | 19 | 16 | 14 | 10 | 15 |
| Mexican American | | | | | | | | | | |
| Grand total, all fields | 308 | 291 | 293 | 306 | 424 | 350 | 415 | 403 | 413 | 448 |
| Science and engineering ¹ | 145 | 151 | 149 | 161 | 223 | 164 | 214 | 187 | 188 | 206 |
| Engineering | 15 | 19 | 28 | 18 | 30 | 13 | 26 | 18 | 17 | 16 |
| Chemical | 1 | 3 | 4 | 3 | 1 | 0 | 4 | 0 | 3 | 2 |
| Civil | 2 | 7 | 2 | 2 | 5 | 3 | 4 | 1 | 1 | 1 |
| Electrical | 4 | 3 | 9 | 5 | 7 | 4 | 4 | 8 | 4 | 3 |
| Mechanical | 2 | 2 | 4 | 2 | 3 | 1 | 6 | 4 | 3 | 2 |
| Other engineering | 6 | 4 | 9 | 6 | 14 | 5 | 8 | 5 | 6 | 8 |
| Sciences ¹ | 130 | 132 | 121 | 143 | 193 | 151 | 188 | 169 | 171 | 190 |
| Agricultural sciences | 6 | 4 | 2 | 2 | 10 | 3 | 6 | 4 | 5 | 7 |
| Biological sciences | 30 | 28 | 28 | 44 | 54 | 41 | 46 | 47 | 53 | 50 |
| Computer sciences | 2 | 3 | 1 | 2 | 3 | 1 | 4 | 2 | 3 | 3 |

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Earth, atmospheric, and ocean sciences | 4 | 4 | 5 | 3 | 5 | 5 | 5 | 5 | 6 | 0 |
| Mathematics | 4 | 6 | 2 | 3 | 6 | 7 | 8 | 6 | 2 | 5 |
| Physical sciences | 24 | 13 | 23 | 15 | 21 | 16 | 23 | 16 | 16 | 25 |
| Astronomy | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 0 |
| Chemistry | 19 | 8 | 15 | 9 | 15 | 9 | 17 | 7 | 7 | 19 |
| Physics | 4 | 4 | 7 | 6 | 5 | 7 | 5 | 6 | 8 | 6 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 40 | 48 | 38 | 49 | 53 | 43 | 61 | 56 | 51 | 48 |
| Social sciences ¹ | 20 | 26 | 22 | 25 | 41 | 35 | 35 | 33 | 35 | 52 |
| Non-S&E ¹ | 163 | 140 | 144 | 145 | 201 | 186 | 201 | 216 | 225 | 242 |
| Education | 102 | 93 | 79 | 90 | 116 | 103 | 115 | 116 | 140 | 152 |
| Health | 5 | 8 | 6 | 7 | 15 | 16 | 11 | 7 | 8 | 13 |
| Humanities ¹ | 42 | 34 | 41 | 38 | 59 | 49 | 62 | 70 | 65 | 60 |
| Professional/other/unknown | 14 | 5 | 18 | 10 | 11 | 18 | 13 | 23 | 12 | 17 |
| Other Hispanic | | | | | | | | | | |
| Grand total, all fields | 465 | 504 | 568 | 579 | 595 | 639 | 564 | 565 | 610 | 712 |
| Science and engineering ¹ | 272 | 285 | 335 | 326 | 358 | 374 | 330 | 331 | 340 | 384 |
| Engineering | 41 | 45 | 49 | 55 | 63 | 47 | 36 | 59 | 54 | 68 |
| Chemical | 4 | 6 | 11 | 3 | 9 | 5 | 9 | 5 | 5 | 10 |
| Civil | 11 | 3 | 3 | 5 | 10 | 7 | 3 | 6 | 6 | 8 |
| Electrical | 14 | 9 | 14 | 17 | 21 | 15 | 12 | 12 | 20 | 16 |
| Mechanical | 5 | 5 | 6 | 6 | 11 | 6 | 4 | 16 | 6 | 9 |
| Other engineering | 7 | 22 | 15 | 24 | 12 | 14 | 8 | 20 | 17 | 25 |
| Sciences ¹ | 231 | 240 | 286 | 271 | 295 | 327 | 294 | 272 | 286 | 316 |
| Agricultural sciences | 14 | 14 | 7 | 20 | 22 | 11 | 14 | 12 | 5 | 12 |
| Biological sciences | 73 | 69 | 71 | 66 | 71 | 87 | 94 | 70 | 73 | 90 |
| Computer sciences | 1 | 3 | 10 | 8 | 10 | 7 | 5 | 5 | 7 | 5 |
| Earth, atmospheric, and ocean sciences | 4 | 7 | 11 | 7 | 6 | 11 | 8 | 7 | 7 | 14 |
| Mathematics | 8 | 8 | 6 | 13 | 14 | 6 | 5 | 7 | 7 | 8 |
| Physical sciences | 40 | 39 | 32 | 34 | 22 | 25 | 35 | 35 | 28 | 30 |
| Astronomy | 1 | 2 | 1 | 3 | 0 | 1 | 2 | 4 | 2 | 2 |
| Chemistry | 21 | 18 | 12 | 22 | 10 | 19 | 15 | 25 | 20 | 12 |
| Physics | 18 | 19 | 19 | 9 | 12 | 5 | 17 | 6 | 6 | 16 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 50 | 54 | 87 | 66 | 84 | 115 | 76 | 74 | 84 | 74 |
| Social sciences ¹ | 41 | 46 | 62 | 57 | 66 | 65 | 57 | 62 | 75 | 83 |
| Non-S&E ¹ | 193 | 219 | 233 | 253 | 237 | 265 | 234 | 234 | 270 | 328 |
| Education | 71 | 96 | 87 | 95 | 97 | 110 | 94 | 71 | 101 | 133 |
| Health | 14 | 10 | 25 | 15 | 15 | 19 | 14 | 18 | 15 | 27 |
| Humanities ¹ | 88 | 90 | 99 | 121 | 102 | 117 | 102 | 119 | 125 | 145 |
| Professional/other/unknown | 20 | 23 | 22 | 22 | 23 | 19 | 24 | 26 | 29 | 23 |
| White | | | | | | | | | | |
| Grand total, all fields | 24,574 | 24,686 | 24,670 | 23,962 | 24,273 | 23,893 | 23,709 | 22,682 | 21,383 | 21,486 |

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Science and engineering ¹ | 13,883 | 13,887 | 13,996 | 13,828 | 14,003 | 13,718 | 13,443 | 12,754 | 11,909 | 11,989 |
| Engineering | 2,021 | 2,092 | 2,263 | 2,288 | 2,170 | 2,109 | 1,889 | 1,747 | 1,476 | 1,556 |
| Chemical | 259 | 256 | 274 | 293 | 275 | 286 | 280 | 269 | 223 | 210 |
| Civil | 199 | 194 | 199 | 220 | 217 | 241 | 194 | 194 | 185 | 217 |
| Electrical | 548 | 590 | 589 | 579 | 523 | 510 | 443 | 368 | 306 | 295 |
| Mechanical | 337 | 339 | 392 | 377 | 371 | 335 | 279 | 301 | 226 | 246 |
| Other engineering | 678 | 713 | 809 | 819 | 784 | 737 | 693 | 615 | 536 | 588 |
| Sciences ¹ | 11,862 | 11,795 | 11,733 | 11,540 | 11,833 | 11,609 | 11,554 | 11,007 | 10,433 | 10,433 |
| Agricultural sciences | 487 | 473 | 442 | 411 | 417 | 398 | 414 | 371 | 357 | 396 |
| Biological sciences | 3,105 | 3,115 | 3,170 | 3,158 | 3,246 | 3,128 | 3,308 | 3,255 | 3,117 | 3,053 |
| Computer sciences | 401 | 450 | 356 | 361 | 412 | 356 | 336 | 322 | 290 | 304 |
| Earth, atmospheric, and ocean sciences | 504 | 464 | 449 | 488 | 464 | 434 | 431 | 396 | 424 | 429 |
| Mathematics | 479 | 535 | 478 | 479 | 526 | 506 | 464 | 428 | 369 | 407 |
| Physical sciences | 2,024 | 1,923 | 1,886 | 1,884 | 1,916 | 1,840 | 1,691 | 1,649 | 1,547 | 1,552 |
| Astronomy | 97 | 111 | 131 | 132 | 120 | 109 | 115 | 103 | 87 | 104 |
| Chemistry | 1,179 | 1,111 | 1,062 | 1,078 | 1,129 | 1,090 | 988 | 974 | 987 | 1,001 |
| Physics | 735 | 687 | 684 | 659 | 651 | 630 | 571 | 557 | 461 | 429 |
| Other physical sciences | 13 | 14 | 9 | 15 | 16 | 11 | 17 | 15 | 12 | 18 |
| Psychology | 2,729 | 2,722 | 2,744 | 2,523 | 2,645 | 2,701 | 2,607 | 2,454 | 2,228 | 2,254 |
| Social sciences ¹ | 2,133 | 2,113 | 2,208 | 2,236 | 2,207 | 2,246 | 2,303 | 2,132 | 2,101 | 2,038 |
| Non-S&E ¹ | 10,691 | 10,799 | 10,674 | 10,134 | 10,270 | 10,175 | 10,266 | 9,928 | 9,474 | 9,497 |
| Education | 5,041 | 4,848 | 4,940 | 4,458 | 4,406 | 4,505 | 4,373 | 4,200 | 4,036 | 4,148 |
| Health | 867 | 832 | 822 | 828 | 929 | 837 | 961 | 922 | 967 | 967 |
| Humanities ¹ | 3,275 | 3,514 | 3,483 | 3,523 | 3,604 | 3,616 | 3,703 | 3,624 | 3,370 | 3,347 |
| Professional/other/unknown | 1,508 | 1,605 | 1,429 | 1,325 | 1,331 | 1,217 | 1,229 | 1,182 | 1,101 | 1,035 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

² Hispanic, total includes Puerto Rican, Mexican American, and other Hispanic.

NOTE: Persons with unknown race/ethnicity are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 17,369 | 17,872 | 17,203 | 16,881 | 16,537 | 15,892 | 15,290 | 14,636 | 13,718 | 13,855 |
| Science and engineering ¹ | 11,692 | 12,081 | 11,682 | 11,391 | 11,067 | 10,494 | 9,980 | 9,427 | 8,807 | 8,866 |
| Engineering | 2,604 | 2,822 | 2,863 | 2,819 | 2,586 | 2,397 | 2,080 | 1,961 | 1,721 | 1,726 |
| Chemical | 302 | 293 | 293 | 332 | 297 | 296 | 282 | 265 | 248 | 220 |
| Civil | 237 | 257 | 258 | 269 | 239 | 251 | 213 | 203 | 190 | 200 |
| Electrical | 810 | 851 | 823 | 834 | 712 | 685 | 555 | 493 | 441 | 430 |
| Mechanical | 484 | 514 | 528 | 482 | 461 | 403 | 340 | 389 | 298 | 292 |
| Other engineering | 771 | 907 | 961 | 902 | 877 | 762 | 690 | 611 | 544 | 584 |
| Sciences ¹ | 9,088 | 9,259 | 8,819 | 8,572 | 8,481 | 8,097 | 7,900 | 7,466 | 7,086 | 7,140 |
| Agricultural sciences | 456 | 463 | 401 | 394 | 360 | 333 | 336 | 266 | 268 | 317 |
| Biological sciences | 2,345 | 2,469 | 2,423 | 2,333 | 2,385 | 2,260 | 2,281 | 2,272 | 2,193 | 2,134 |
| Computer sciences | 449 | 473 | 423 | 419 | 437 | 387 | 371 | 325 | 322 | 343 |
| Earth, atmospheric, and ocean sciences | 469 | 450 | 428 | 442 | 391 | 373 | 342 | 304 | 307 | 327 |
| Mathematics | 506 | 588 | 503 | 452 | 470 | 413 | 409 | 370 | 308 | 364 |
| Physical sciences | 2,164 | 2,132 | 1,961 | 1,909 | 1,849 | 1,724 | 1,546 | 1,518 | 1,398 | 1,399 |
| Astronomy | 91 | 116 | 114 | 132 | 120 | 91 | 104 | 94 | 87 | 99 |
| Chemistry | 1,152 | 1,087 | 1,024 | 1,007 | 1,003 | 980 | 819 | 822 | 808 | 847 |
| Physics | 907 | 915 | 815 | 759 | 715 | 647 | 609 | 590 | 497 | 439 |
| Other physical sciences | 14 | 14 | 8 | 11 | 11 | 6 | 14 | 12 | 6 | 14 |
| Psychology | 1,169 | 1,127 | 1,048 | 1,014 | 1,058 | 1,063 | 1,052 | 983 | 916 | 892 |
| Social sciences ¹ | 1,530 | 1,557 | 1,632 | 1,609 | 1,531 | 1,544 | 1,563 | 1,428 | 1,374 | 1,364 |
| Non-S&E ¹ | 5,677 | 5,791 | 5,521 | 5,490 | 5,470 | 5,398 | 5,310 | 5,209 | 4,911 | 4,989 |
| Education | 2,307 | 2,243 | 2,243 | 2,051 | 2,049 | 2,013 | 1,925 | 1,889 | 1,796 | 1,853 |
| Health | 328 | 324 | 293 | 287 | 310 | 329 | 341 | 340 | 339 | 354 |
| Humanities ¹ | 1,976 | 2,076 | 2,001 | 2,197 | 2,217 | 2,209 | 2,215 | 2,153 | 2,071 | 2,080 |
| Professional/other/unknown | 1,066 | 1,148 | 984 | 955 | 894 | 847 | 829 | 827 | 705 | 702 |
| American Indian/Alaskan Native | | | | | | | | | | |
| Grand total, all fields | 71 | 80 | 101 | 79 | 104 | 96 | 76 | 69 | 69 | 53 |
| Science and engineering ¹ | 40 | 42 | 60 | 45 | 54 | 59 | 43 | 42 | 37 | 34 |
| Engineering | 4 | 9 | 12 | 14 | 9 | 10 | 4 | 5 | 7 | 9 |
| Chemical | 1 | 2 | 1 | 3 | 0 | 1 | 0 | 1 | 2 | 0 |
| Civil | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| Electrical | 1 | 1 | 1 | 5 | 3 | 1 | 0 | 1 | 0 | 5 |
| Mechanical | 0 | 2 | 3 | 5 | 2 | 2 | 2 | 1 | 1 | 0 |
| Other engineering | 2 | 4 | 6 | 0 | 4 | 5 | 2 | 2 | 4 | 3 |
| Sciences ¹ | 36 | 33 | 48 | 31 | 45 | 49 | 39 | 37 | 30 | 25 |
| Agricultural sciences | 1 | 2 | 2 | 5 | 7 | 1 | 3 | 0 | 2 | 3 |
| Biological sciences | 11 | 10 | 11 | 4 | 6 | 10 | 10 | 8 | 6 | 3 |
| Computer sciences | 0 | 0 | 2 | 0 | 4 | 0 | 1 | 1 | 2 | 2 |
| Earth, atmospheric, and ocean sciences | 1 | 0 | 2 | 1 | 2 | 3 | 4 | 0 | 0 | 1 |
| Mathematics | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Physical sciences | 5 | 5 | 5 | 10 | 8 | 6 | 7 | 10 | 7 | 1 |
| Astronomy | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Chemistry | 4 | 3 | 3 | 6 | 6 | 3 | 6 | 9 | 5 | 1 |

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physics | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 0 | 2 | 0 |
| Other physical sciences | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 5 | 6 | 8 | 6 | 13 | 12 | 3 | 5 | 7 | 8 |
| Social sciences ¹ | 11 | 9 | 17 | 4 | 4 | 16 | 10 | 12 | 4 | 6 |
| Non-S&E ¹ | 31 | 38 | 41 | 34 | 50 | 37 | 33 | 27 | 32 | 19 |
| Education | 10 | 17 | 22 | 18 | 26 | 19 | 17 | 12 | 16 | 9 |
| Health | 1 | 2 | 1 | 2 | 1 | 0 | 1 | 2 | 0 | 1 |
| Humanities ¹ | 12 | 10 | 10 | 8 | 14 | 11 | 11 | 9 | 12 | 7 |
| Professional/other/unknown | 8 | 9 | 8 | 6 | 9 | 7 | 4 | 4 | 4 | 2 |
| Asian/Pacific Islander | | | | | | | | | | |
| Grand total, all fields | 2,459 | 2,859 | 2,390 | 1,884 | 1,626 | 1,475 | 1,241 | 1,198 | 1,160 | 1,102 |
| Science and engineering ¹ | 2,163 | 2,548 | 2,105 | 1,639 | 1,369 | 1,217 | 1,027 | 956 | 960 | 898 |
| Engineering | 745 | 862 | 762 | 588 | 454 | 428 | 330 | 327 | 312 | 261 |
| Chemical | 71 | 76 | 62 | 61 | 46 | 44 | 48 | 34 | 49 | 37 |
| Civil | 65 | 77 | 75 | 58 | 32 | 41 | 33 | 28 | 22 | 17 |
| Electrical | 271 | 276 | 246 | 217 | 173 | 146 | 108 | 105 | 105 | 99 |
| Mechanical | 155 | 165 | 149 | 97 | 77 | 77 | 56 | 68 | 56 | 42 |
| Other engineering | 183 | 268 | 230 | 155 | 126 | 120 | 85 | 92 | 80 | 66 |
| Sciences ¹ | 1,418 | 1,686 | 1,343 | 1,051 | 915 | 789 | 697 | 629 | 648 | 637 |
| Agricultural sciences | 52 | 62 | 51 | 45 | 29 | 28 | 21 | 7 | 12 | 10 |
| Biological sciences | 451 | 511 | 482 | 373 | 365 | 332 | 276 | 287 | 279 | 285 |
| Computer sciences | 100 | 107 | 95 | 81 | 67 | 68 | 61 | 41 | 60 | 65 |
| Earth, atmospheric, and ocean sciences | 72 | 76 | 65 | 51 | 32 | 28 | 17 | 25 | 17 | 15 |
| Mathematics | 116 | 158 | 104 | 69 | 44 | 36 | 49 | 32 | 23 | 27 |
| Physical sciences | 421 | 539 | 356 | 267 | 228 | 159 | 132 | 128 | 137 | 113 |
| Astronomy | 9 | 18 | 8 | 7 | 10 | 3 | 9 | 6 | 12 | 5 |
| Chemistry | 203 | 269 | 187 | 141 | 133 | 103 | 67 | 65 | 76 | 63 |
| Physics | 207 | 251 | 160 | 119 | 84 | 53 | 56 | 57 | 49 | 45 |
| Other physical sciences | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 32 | 43 | 31 | 31 | 29 | 34 | 46 | 29 | 43 | 42 |
| Social sciences ¹ | 174 | 190 | 159 | 134 | 121 | 104 | 95 | 80 | 77 | 80 |
| Non-S&E ¹ | 296 | 311 | 285 | 245 | 257 | 258 | 214 | 242 | 200 | 204 |
| Education | 65 | 59 | 69 | 52 | 69 | 63 | 53 | 46 | 45 | 46 |
| Health | 48 | 52 | 47 | 37 | 35 | 39 | 36 | 38 | 22 | 37 |
| Humanities ¹ | 81 | 83 | 83 | 72 | 79 | 82 | 63 | 79 | 77 | 68 |
| Professional/other/unknown | 102 | 117 | 86 | 84 | 74 | 74 | 62 | 79 | 56 | 53 |
| Black | | | | | | | | | | |
| Grand total, all fields | 552 | 612 | 638 | 636 | 610 | 700 | 642 | 676 | 672 | 651 |
| Science and engineering ¹ | 282 | 287 | 321 | 329 | 293 | 347 | 319 | 328 | 315 | 285 |
| Engineering | 40 | 55 | 55 | 75 | 59 | 74 | 57 | 67 | 57 | 57 |
| Chemical | 4 | 2 | 7 | 10 | 2 | 7 | 3 | 7 | 6 | 6 |
| Civil | 6 | 8 | 7 | 10 | 7 | 4 | 5 | 11 | 9 | 7 |
| Electrical | 14 | 20 | 17 | 27 | 19 | 25 | 19 | 21 | 12 | 16 |

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Mechanical | 6 | 12 | 7 | 11 | 13 | 11 | 13 | 16 | 13 | 8 |
| Other engineering | 10 | 13 | 17 | 17 | 18 | 27 | 17 | 12 | 17 | 20 |
| Sciences ¹ | 242 | 232 | 266 | 254 | 234 | 273 | 262 | 261 | 258 | 228 |
| Agricultural sciences | 16 | 11 | 24 | 18 | 15 | 16 | 10 | 7 | 7 | 10 |
| Biological sciences | 33 | 64 | 58 | 52 | 41 | 50 | 44 | 55 | 57 | 44 |
| Computer sciences | 8 | 7 | 9 | 3 | 6 | 9 | 13 | 5 | 10 | 12 |
| Earth, atmospheric, and ocean sciences | 5 | 3 | 2 | 7 | 6 | 9 | 3 | 4 | 6 | 10 |
| Mathematics | 8 | 4 | 6 | 5 | 9 | 6 | 7 | 12 | 6 | 11 |
| Physical sciences | 33 | 24 | 46 | 40 | 25 | 37 | 41 | 35 | 39 | 36 |
| Astronomy | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Chemistry | 25 | 16 | 35 | 26 | 17 | 33 | 25 | 23 | 22 | 28 |
| Physics | 7 | 7 | 11 | 13 | 7 | 4 | 15 | 11 | 17 | 7 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 46 | 39 | 38 | 41 | 43 | 37 | 45 | 50 | 42 | 43 |
| Social sciences ¹ | 93 | 80 | 83 | 88 | 89 | 109 | 99 | 93 | 91 | 62 |
| Non-S&E ¹ | 270 | 325 | 317 | 307 | 317 | 353 | 323 | 348 | 357 | 366 |
| Education | 162 | 203 | 202 | 171 | 192 | 202 | 186 | 210 | 210 | 232 |
| Health | 11 | 18 | 13 | 15 | 14 | 12 | 14 | 12 | 16 | 17 |
| Humanities ¹ | 51 | 54 | 53 | 68 | 67 | 70 | 70 | 65 | 73 | 61 |
| Professional/other/unknown | 46 | 50 | 49 | 53 | 44 | 69 | 53 | 61 | 58 | 56 |
| Hispanic, total ² | | | | | | | | | | |
| Grand total, all fields | 518 | 542 | 567 | 624 | 682 | 579 | 609 | 569 | 601 | 662 |
| Science and engineering ¹ | 318 | 341 | 353 | 392 | 428 | 360 | 379 | 336 | 345 | 376 |
| Engineering | 60 | 66 | 84 | 73 | 97 | 60 | 69 | 68 | 72 | 80 |
| Chemical | 7 | 11 | 13 | 4 | 13 | 3 | 14 | 2 | 9 | 12 |
| Civil | 11 | 10 | 6 | 11 | 13 | 6 | 8 | 7 | 8 | 8 |
| Electrical | 21 | 14 | 23 | 20 | 29 | 26 | 21 | 19 | 27 | 19 |
| Mechanical | 7 | 8 | 13 | 11 | 18 | 8 | 11 | 21 | 7 | 12 |
| Other engineering | 14 | 23 | 29 | 27 | 24 | 17 | 15 | 19 | 21 | 29 |
| Sciences ¹ | 258 | 275 | 269 | 319 | 331 | 300 | 310 | 268 | 273 | 296 |
| Agricultural sciences | 13 | 16 | 9 | 19 | 22 | 8 | 15 | 10 | 11 | 14 |
| Biological sciences | 69 | 80 | 65 | 83 | 89 | 99 | 82 | 88 | 68 | 96 |
| Computer sciences | 7 | 2 | 9 | 14 | 14 | 11 | 11 | 4 | 12 | 6 |
| Earth, atmospheric, and ocean sciences | 6 | 7 | 13 | 11 | 10 | 17 | 15 | 6 | 14 | 9 |
| Mathematics | 10 | 11 | 11 | 14 | 20 | 10 | 8 | 10 | 8 | 9 |
| Physical sciences | 69 | 52 | 55 | 54 | 43 | 41 | 53 | 43 | 42 | 49 |
| Astronomy | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 6 | 3 | 2 |
| Chemistry | 43 | 29 | 29 | 32 | 25 | 25 | 30 | 26 | 20 | 27 |
| Physics | 24 | 21 | 25 | 20 | 16 | 15 | 20 | 11 | 19 | 20 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 43 | 49 | 53 | 64 | 56 | 57 | 59 | 46 | 56 | 54 |
| Social sciences ¹ | 41 | 58 | 54 | 60 | 77 | 57 | 67 | 61 | 62 | 59 |
| Non-S&E ¹ | 200 | 201 | 214 | 232 | 254 | 219 | 230 | 233 | 256 | 286 |
| Education | 82 | 91 | 87 | 93 | 111 | 91 | 99 | 91 | 104 | 119 |

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Health | 7 | 15 | 16 | 8 | 12 | 15 | 10 | 9 | 9 | 11 |
| Humanities ¹ | 79 | 72 | 85 | 107 | 103 | 90 | 98 | 98 | 117 | 130 |
| Professional/other/unknown | 32 | 23 | 26 | 24 | 28 | 23 | 23 | 35 | 26 | 26 |
| Puerto Rican | | | | | | | | | | |
| Grand total, all fields | 123 | 120 | 114 | 153 | 128 | 141 | 130 | 122 | 149 | 126 |
| Science and engineering ¹ | 72 | 74 | 74 | 98 | 69 | 88 | 78 | 68 | 92 | 75 |
| Engineering | 10 | 11 | 17 | 19 | 16 | 15 | 16 | 9 | 15 | 17 |
| Chemical | 2 | 3 | 2 | 1 | 3 | 1 | 3 | 0 | 3 | 4 |
| Civil | 1 | 1 | 1 | 5 | 1 | 1 | 2 | 2 | 1 | 3 |
| Electrical | 3 | 3 | 4 | 3 | 3 | 9 | 6 | 2 | 6 | 4 |
| Mechanical | 1 | 1 | 3 | 6 | 5 | 2 | 2 | 1 | 1 | 1 |
| Other engineering | 3 | 3 | 7 | 4 | 4 | 2 | 3 | 4 | 4 | 5 |
| Sciences ¹ | 62 | 63 | 57 | 79 | 53 | 73 | 62 | 59 | 77 | 58 |
| Agricultural sciences | 2 | 3 | 3 | 3 | 2 | 0 | 3 | 2 | 5 | 0 |
| Biological sciences | 14 | 21 | 14 | 20 | 20 | 24 | 11 | 18 | 18 | 21 |
| Computer sciences | 4 | 0 | 4 | 6 | 1 | 5 | 5 | 1 | 4 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 1 | 3 | 4 | 2 | 4 | 5 | 1 | 4 | 4 |
| Mathematics | 1 | 0 | 3 | 3 | 4 | 2 | 1 | 2 | 3 | 1 |
| Physical sciences | 19 | 12 | 8 | 18 | 6 | 13 | 10 | 10 | 16 | 11 |
| Astronomy | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Chemistry | 13 | 9 | 6 | 11 | 4 | 9 | 9 | 8 | 7 | 9 |
| Physics | 6 | 3 | 2 | 7 | 1 | 4 | 1 | 2 | 8 | 2 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 13 | 13 | 15 | 20 | 12 | 16 | 14 | 9 | 14 | 10 |
| Social sciences ¹ | 9 | 13 | 7 | 5 | 6 | 9 | 13 | 16 | 13 | 9 |
| Non-S&E ¹ | 51 | 46 | 40 | 55 | 59 | 53 | 52 | 54 | 57 | 51 |
| Education | 23 | 19 | 17 | 21 | 28 | 24 | 24 | 26 | 26 | 17 |
| Health | 2 | 7 | 2 | 3 | 3 | 5 | 3 | 2 | 2 | 0 |
| Humanities ¹ | 16 | 14 | 16 | 26 | 20 | 14 | 19 | 18 | 26 | 29 |
| Professional/other/unknown | 10 | 6 | 5 | 5 | 8 | 10 | 6 | 8 | 3 | 5 |
| Mexican American | | | | | | | | | | |
| Grand total, all fields | 161 | 160 | 166 | 161 | 220 | 163 | 209 | 198 | 180 | 201 |
| Science and engineering ¹ | 87 | 90 | 95 | 91 | 136 | 91 | 127 | 103 | 84 | 103 |
| Engineering | 13 | 18 | 25 | 11 | 27 | 9 | 23 | 13 | 11 | 12 |
| Chemical | 1 | 2 | 3 | 2 | 1 | 0 | 3 | 0 | 1 | 1 |
| Civil | 2 | 7 | 2 | 1 | 4 | 1 | 4 | 0 | 1 | 1 |
| Electrical | 4 | 3 | 8 | 2 | 7 | 3 | 4 | 6 | 4 | 2 |
| Mechanical | 2 | 2 | 4 | 2 | 3 | 1 | 6 | 4 | 1 | 2 |
| Other engineering | 4 | 4 | 8 | 4 | 12 | 4 | 6 | 3 | 4 | 6 |
| Sciences ¹ | 74 | 72 | 70 | 80 | 109 | 82 | 104 | 90 | 73 | 91 |
| Agricultural sciences | 4 | 3 | 1 | 2 | 7 | 3 | 4 | 2 | 2 | 6 |
| Biological sciences | 17 | 17 | 16 | 22 | 32 | 25 | 27 | 30 | 22 | 32 |
| Computer sciences | 2 | 1 | 1 | 2 | 3 | 1 | 3 | 2 | 3 | 1 |
| Earth, atmospheric, and ocean sciences | 4 | 3 | 3 | 2 | 4 | 4 | 4 | 2 | 5 | 0 |

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mathematics | 3 | 4 | 2 | 2 | 3 | 5 | 4 | 3 | 1 | 2 |
| Physical sciences | 20 | 9 | 20 | 13 | 18 | 11 | 20 | 14 | 10 | 15 |
| Astronomy | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 0 | 0 |
| Chemistry | 16 | 6 | 13 | 7 | 12 | 5 | 14 | 5 | 4 | 10 |
| Physics | 3 | 3 | 6 | 6 | 5 | 6 | 5 | 6 | 6 | 5 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 17 | 15 | 18 | 20 | 18 | 16 | 22 | 20 | 15 | 16 |
| Social sciences ¹ | 7 | 20 | 9 | 17 | 24 | 17 | 20 | 17 | 15 | 19 |
| Non-S&E ¹ | 74 | 70 | 71 | 70 | 84 | 72 | 82 | 95 | 96 | 98 |
| Education | 38 | 42 | 38 | 42 | 45 | 35 | 46 | 50 | 51 | 58 |
| Health | 2 | 3 | 2 | 0 | 1 | 5 | 2 | 2 | 4 | 2 |
| Humanities ¹ | 23 | 21 | 21 | 22 | 33 | 27 | 27 | 30 | 35 | 32 |
| Professional/other/unknown | 11 | 4 | 10 | 6 | 5 | 5 | 7 | 13 | 6 | 6 |
| Other Hispanic | | | | | | | | | | |
| Grand total, all fields | 234 | 262 | 287 | 310 | 334 | 275 | 270 | 249 | 272 | 335 |
| Science and engineering ¹ | 159 | 177 | 184 | 203 | 223 | 181 | 174 | 165 | 169 | 198 |
| Engineering | 37 | 37 | 42 | 43 | 54 | 36 | 30 | 46 | 46 | 51 |
| Chemical | 4 | 6 | 8 | 1 | 9 | 2 | 8 | 2 | 5 | 7 |
| Civil | 8 | 2 | 3 | 5 | 8 | 4 | 2 | 5 | 6 | 4 |
| Electrical | 14 | 8 | 11 | 15 | 19 | 14 | 11 | 11 | 17 | 13 |
| Mechanical | 4 | 5 | 6 | 3 | 10 | 5 | 3 | 16 | 5 | 9 |
| Other engineering | 7 | 16 | 14 | 19 | 8 | 11 | 6 | 12 | 13 | 18 |
| Sciences ¹ | 122 | 140 | 142 | 160 | 169 | 145 | 144 | 119 | 123 | 147 |
| Agricultural sciences | 7 | 10 | 5 | 14 | 13 | 5 | 8 | 6 | 4 | 8 |
| Biological sciences | 38 | 42 | 35 | 41 | 37 | 50 | 44 | 40 | 28 | 43 |
| Computer sciences | 1 | 1 | 4 | 6 | 10 | 5 | 3 | 1 | 5 | 3 |
| Earth, atmospheric, and ocean sciences | 2 | 3 | 7 | 5 | 4 | 9 | 6 | 3 | 5 | 5 |
| Mathematics | 6 | 7 | 6 | 9 | 13 | 3 | 3 | 5 | 4 | 6 |
| Physical sciences | 30 | 31 | 27 | 23 | 19 | 17 | 23 | 19 | 16 | 23 |
| Astronomy | 1 | 2 | 0 | 2 | 0 | 1 | 1 | 3 | 2 | 2 |
| Chemistry | 14 | 14 | 10 | 14 | 9 | 11 | 7 | 13 | 9 | 8 |
| Physics | 15 | 15 | 17 | 7 | 10 | 5 | 14 | 3 | 5 | 13 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 13 | 21 | 20 | 24 | 26 | 25 | 23 | 17 | 27 | 28 |
| Social sciences ¹ | 25 | 25 | 38 | 38 | 47 | 31 | 34 | 28 | 34 | 31 |
| Non-S&E ¹ | 75 | 85 | 103 | 107 | 111 | 94 | 96 | 84 | 103 | 137 |
| Education | 21 | 30 | 32 | 30 | 38 | 32 | 29 | 15 | 27 | 44 |
| Health | 3 | 5 | 12 | 5 | 8 | 5 | 5 | 5 | 3 | 9 |
| Humanities ¹ | 40 | 37 | 48 | 59 | 50 | 49 | 52 | 50 | 56 | 69 |
| Professional/other/unknown | 11 | 13 | 11 | 13 | 15 | 8 | 10 | 14 | 17 | 15 |
| White | | | | | | | | | | |
| Grand total, all fields | 13,545 | 13,516 | 13,224 | 12,996 | 12,884 | 12,677 | 12,308 | 11,681 | 10,787 | 10,790 |
| Science and engineering ¹ | 8,729 | 8,673 | 8,647 | 8,560 | 8,510 | 8,261 | 7,932 | 7,471 | 6,870 | 6,872 |

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Engineering | 1,716 | 1,771 | 1,915 | 1,956 | 1,863 | 1,758 | 1,555 | 1,429 | 1,200 | 1,256 |
| Chemical | 211 | 196 | 205 | 241 | 223 | 236 | 213 | 210 | 171 | 160 |
| Civil | 153 | 160 | 168 | 180 | 172 | 194 | 160 | 143 | 144 | 159 |
| Electrical | 494 | 523 | 523 | 525 | 470 | 466 | 388 | 334 | 276 | 271 |
| Mechanical | 311 | 314 | 353 | 344 | 334 | 290 | 246 | 274 | 206 | 219 |
| Other engineering | 547 | 578 | 666 | 666 | 664 | 572 | 548 | 468 | 403 | 447 |
| Sciences ¹ | 7,013 | 6,902 | 6,732 | 6,604 | 6,647 | 6,503 | 6,377 | 6,042 | 5,670 | 5,616 |
| Agricultural sciences | 367 | 369 | 307 | 293 | 277 | 273 | 278 | 236 | 231 | 269 |
| Biological sciences | 1,758 | 1,770 | 1,771 | 1,759 | 1,810 | 1,726 | 1,798 | 1,768 | 1,725 | 1,606 |
| Computer sciences | 326 | 347 | 295 | 295 | 328 | 285 | 274 | 262 | 231 | 240 |
| Earth, atmospheric, and ocean sciences | 381 | 356 | 340 | 358 | 324 | 307 | 290 | 256 | 264 | 280 |
| Mathematics | 361 | 409 | 373 | 344 | 376 | 347 | 338 | 308 | 258 | 297 |
| Physical sciences | 1,616 | 1,476 | 1,456 | 1,472 | 1,467 | 1,444 | 1,272 | 1,254 | 1,128 | 1,126 |
| Astronomy | 78 | 92 | 101 | 110 | 96 | 86 | 89 | 76 | 69 | 79 |
| Chemistry | 872 | 760 | 754 | 773 | 785 | 797 | 665 | 677 | 664 | 686 |
| Physics | 655 | 613 | 594 | 579 | 577 | 555 | 506 | 489 | 389 | 347 |
| Other physical sciences | 11 | 11 | 7 | 10 | 9 | 6 | 12 | 12 | 6 | 14 |
| Psychology | 1,028 | 980 | 909 | 833 | 882 | 912 | 882 | 826 | 748 | 712 |
| Social sciences ¹ | 1,176 | 1,195 | 1,281 | 1,250 | 1,183 | 1,209 | 1,245 | 1,132 | 1,085 | 1,086 |
| Non-S&E ¹ | 4,816 | 4,843 | 4,577 | 4,436 | 4,374 | 4,416 | 4,376 | 4,210 | 3,917 | 3,918 |
| Education | 1,964 | 1,855 | 1,830 | 1,622 | 1,584 | 1,602 | 1,536 | 1,493 | 1,364 | 1,381 |
| Health | 258 | 232 | 212 | 219 | 234 | 257 | 271 | 271 | 285 | 271 |
| Humanities ¹ | 1,722 | 1,817 | 1,735 | 1,846 | 1,854 | 1,904 | 1,898 | 1,820 | 1,722 | 1,725 |
| Professional/other/unknown | 872 | 939 | 800 | 749 | 702 | 653 | 671 | 626 | 546 | 541 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

² Hispanic, total includes Puerto Rican, Mexican American, and other Hispanic.

NOTE: Persons with unknown race/ethnicity are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 13,524 | 14,184 | 14,337 | 14,168 | 14,591 | 14,400 | 14,633 | 14,233 | 13,927 | 14,185 |
| Science and engineering ¹ | 6,495 | 6,913 | 6,965 | 6,988 | 7,171 | 7,071 | 7,132 | 6,911 | 6,700 | 6,801 |
| Engineering | 448 | 520 | 526 | 512 | 452 | 491 | 491 | 478 | 442 | 437 |
| Chemical | 78 | 88 | 98 | 77 | 76 | 75 | 100 | 93 | 88 | 72 |
| Civil | 55 | 52 | 47 | 58 | 58 | 61 | 48 | 66 | 57 | 69 |
| Electrical | 88 | 120 | 106 | 106 | 91 | 81 | 93 | 67 | 66 | 64 |
| Mechanical | 54 | 49 | 60 | 55 | 50 | 60 | 56 | 38 | 44 | 40 |
| Other engineering | 173 | 211 | 215 | 216 | 177 | 214 | 194 | 214 | 187 | 192 |
| Sciences ¹ | 6,047 | 6,393 | 6,439 | 6,476 | 6,719 | 6,580 | 6,641 | 6,433 | 6,258 | 6,364 |
| Agricultural sciences | 160 | 135 | 174 | 155 | 183 | 161 | 166 | 165 | 152 | 160 |
| Biological sciences | 1,743 | 1,859 | 1,941 | 1,920 | 1,921 | 1,864 | 1,987 | 1,971 | 1,918 | 1,911 |
| Computer sciences | 94 | 143 | 91 | 100 | 123 | 105 | 86 | 98 | 97 | 97 |
| Earth, atmospheric, and ocean sciences | 144 | 144 | 130 | 164 | 171 | 153 | 168 | 163 | 187 | 185 |
| Mathematics | 151 | 183 | 145 | 177 | 198 | 192 | 164 | 154 | 134 | 152 |
| Physical sciences | 625 | 708 | 610 | 587 | 604 | 553 | 546 | 527 | 541 | 567 |
| Astronomy | 21 | 25 | 35 | 26 | 27 | 26 | 35 | 29 | 22 | 31 |
| Chemistry | 464 | 537 | 439 | 431 | 463 | 426 | 422 | 408 | 421 | 415 |
| Physics | 137 | 143 | 134 | 124 | 107 | 95 | 83 | 87 | 92 | 113 |
| Other physical sciences | 3 | 3 | 2 | 6 | 7 | 6 | 6 | 3 | 6 | 8 |
| Psychology | 1,967 | 2,057 | 2,185 | 2,106 | 2,211 | 2,229 | 2,178 | 2,050 | 1,878 | 1,954 |
| Social sciences ¹ | 1,163 | 1,164 | 1,163 | 1,267 | 1,308 | 1,323 | 1,346 | 1,305 | 1,351 | 1,338 |
| Non-S&E ¹ | 7,029 | 7,271 | 7,372 | 7,180 | 7,420 | 7,329 | 7,501 | 7,322 | 7,227 | 7,384 |
| Education | 3,757 | 3,752 | 3,832 | 3,687 | 3,690 | 3,801 | 3,754 | 3,561 | 3,599 | 3,776 |
| Health | 722 | 719 | 723 | 740 | 844 | 720 | 854 | 817 | 852 | 871 |
| Humanities ¹ | 1,788 | 1,980 | 2,046 | 2,033 | 2,106 | 2,083 | 2,175 | 2,226 | 2,040 | 2,050 |
| Professional/other/unknown | 762 | 820 | 771 | 720 | 780 | 725 | 718 | 718 | 736 | 687 |
| American Indian/Alaskan Native | | | | | | | | | | |
| Grand total, all fields | 72 | 68 | 85 | 88 | 85 | 118 | 93 | 82 | 81 | 83 |
| Science and engineering ¹ | 24 | 26 | 35 | 34 | 42 | 55 | 45 | 32 | 33 | 38 |
| Engineering | 2 | 0 | 2 | 3 | 4 | 2 | 4 | 2 | 0 | 2 |
| Chemical | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 1 |
| Civil | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| Electrical | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mechanical | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| Other engineering | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 |
| Sciences ¹ | 22 | 26 | 33 | 31 | 38 | 53 | 41 | 30 | 33 | 36 |
| Agricultural sciences | 0 | 0 | 4 | 0 | 2 | 0 | 1 | 0 | 0 | 1 |
| Biological sciences | 5 | 5 | 9 | 3 | 6 | 10 | 7 | 7 | 6 | 8 |
| Computer sciences | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Earth, atmospheric, and ocean sciences | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 0 | 1 |
| Mathematics | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 1 |
| Physical sciences | 1 | 3 | 1 | 0 | 1 | 3 | 2 | 2 | 0 | 1 |
| Astronomy | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Chemistry | 0 | 3 | 1 | 0 | 1 | 2 | 1 | 2 | 0 | 1 |

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

Page 2 of 6

| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physics | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 7 | 8 | 9 | 12 | 18 | 23 | 19 | 12 | 8 | 14 |
| Social sciences ¹ | 8 | 9 | 8 | 14 | 8 | 13 | 10 | 8 | 18 | 10 |
| Non-S&E ¹ | 48 | 42 | 50 | 54 | 43 | 63 | 48 | 50 | 48 | 45 |
| Education | 27 | 24 | 38 | 33 | 24 | 39 | 34 | 30 | 30 | 31 |
| Health | 5 | 7 | 3 | 4 | 3 | 6 | 3 | 4 | 3 | 1 |
| Humanities ¹ | 8 | 8 | 8 | 11 | 7 | 10 | 9 | 12 | 8 | 8 |
| Professional/other/unknown | 8 | 3 | 1 | 6 | 9 | 8 | 2 | 4 | 7 | 5 |
| Asian/Pacific Islander | | | | | | | | | | |
| Grand total, all fields | 1,073 | 1,437 | 1,284 | 1,224 | 1,073 | 1,020 | 1,031 | 1,020 | 1,026 | 991 |
| Science and engineering ¹ | 818 | 1,111 | 974 | 889 | 760 | 715 | 679 | 693 | 699 | 656 |
| Engineering | 119 | 170 | 134 | 119 | 97 | 84 | 109 | 99 | 99 | 81 |
| Chemical | 25 | 25 | 18 | 12 | 19 | 14 | 21 | 19 | 22 | 10 |
| Civil | 4 | 14 | 14 | 14 | 6 | 5 | 10 | 9 | 7 | 4 |
| Electrical | 31 | 46 | 30 | 39 | 31 | 26 | 33 | 29 | 26 | 30 |
| Mechanical | 24 | 23 | 17 | 16 | 10 | 11 | 16 | 8 | 15 | 9 |
| Other engineering | 35 | 62 | 55 | 38 | 31 | 28 | 29 | 34 | 29 | 28 |
| Sciences ¹ | 699 | 941 | 840 | 770 | 663 | 631 | 570 | 594 | 600 | 575 |
| Agricultural sciences | 20 | 16 | 29 | 18 | 18 | 18 | 9 | 9 | 12 | 13 |
| Biological sciences | 268 | 409 | 403 | 348 | 291 | 276 | 263 | 271 | 302 | 256 |
| Computer sciences | 16 | 30 | 16 | 26 | 23 | 19 | 15 | 20 | 26 | 17 |
| Earth, atmospheric, and ocean sciences | 17 | 28 | 12 | 19 | 19 | 11 | 11 | 10 | 14 | 11 |
| Mathematics | 26 | 49 | 36 | 28 | 27 | 20 | 21 | 16 | 6 | 24 |
| Physical sciences | 177 | 210 | 145 | 132 | 101 | 93 | 71 | 74 | 63 | 73 |
| Astronomy | 1 | 4 | 4 | 1 | 3 | 0 | 4 | 0 | 1 | 3 |
| Chemistry | 128 | 146 | 108 | 92 | 72 | 80 | 54 | 61 | 51 | 51 |
| Physics | 47 | 60 | 33 | 38 | 26 | 13 | 12 | 13 | 11 | 18 |
| Other physical sciences | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| Psychology | 76 | 78 | 90 | 95 | 84 | 98 | 99 | 93 | 85 | 83 |
| Social sciences ¹ | 99 | 121 | 109 | 104 | 100 | 96 | 81 | 101 | 92 | 98 |
| Non-S&E ¹ | 255 | 326 | 310 | 335 | 313 | 305 | 352 | 327 | 327 | 335 |
| Education | 107 | 120 | 111 | 128 | 106 | 103 | 120 | 107 | 109 | 117 |
| Health | 45 | 41 | 40 | 50 | 48 | 48 | 63 | 70 | 73 | 53 |
| Humanities ¹ | 67 | 109 | 104 | 107 | 113 | 111 | 113 | 105 | 101 | 118 |
| Professional/other/unknown | 36 | 56 | 55 | 50 | 46 | 43 | 56 | 45 | 44 | 47 |
| Black | | | | | | | | | | |
| Grand total, all fields | 725 | 849 | 808 | 838 | 993 | 1,062 | 1,106 | 1,056 | 1,077 | 1,143 |
| Science and engineering ¹ | 216 | 263 | 251 | 286 | 351 | 367 | 391 | 375 | 370 | 376 |
| Engineering | 13 | 15 | 19 | 23 | 22 | 24 | 24 | 25 | 28 | 18 |
| Chemical | 4 | 1 | 5 | 6 | 1 | 4 | 5 | 10 | 6 | 3 |
| Civil | 2 | 3 | 1 | 0 | 2 | 2 | 1 | 0 | 4 | 2 |
| Electrical | 3 | 4 | 5 | 4 | 4 | 5 | 2 | 1 | 4 | 3 |

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Mechanical | 1 | 1 | 3 | 1 | 0 | 1 | 5 | 1 | 4 | 1 |
| Other engineering | 3 | 6 | 5 | 12 | 15 | 12 | 11 | 13 | 10 | 9 |
| Sciences ¹ | 203 | 248 | 232 | 263 | 329 | 343 | 367 | 350 | 342 | 358 |
| Agricultural sciences | 6 | 6 | 0 | 6 | 4 | 8 | 8 | 6 | 5 | 6 |
| Biological sciences | 45 | 43 | 40 | 60 | 70 | 66 | 74 | 84 | 67 | 64 |
| Computer sciences | 2 | 4 | 3 | 1 | 8 | 9 | 5 | 10 | 7 | 5 |
| Earth, atmospheric, and ocean sciences | 1 | 0 | 2 | 1 | 2 | 5 | 4 | 2 | 0 | 7 |
| Mathematics | 3 | 1 | 2 | 2 | 7 | 6 | 7 | 7 | 8 | 5 |
| Physical sciences | 13 | 18 | 13 | 11 | 31 | 29 | 21 | 20 | 28 | 21 |
| Astronomy | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 0 |
| Chemistry | 9 | 17 | 10 | 9 | 28 | 23 | 19 | 19 | 22 | 14 |
| Physics | 4 | 1 | 3 | 1 | 3 | 4 | 1 | 1 | 5 | 5 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Psychology | 78 | 110 | 114 | 111 | 115 | 135 | 144 | 124 | 129 | 125 |
| Social sciences ¹ | 55 | 66 | 58 | 71 | 92 | 85 | 104 | 97 | 98 | 125 |
| Non-S&E ¹ | 509 | 586 | 557 | 552 | 642 | 695 | 715 | 681 | 707 | 767 |
| Education | 359 | 420 | 405 | 382 | 462 | 487 | 507 | 460 | 482 | 524 |
| Health | 35 | 42 | 35 | 40 | 51 | 45 | 61 | 52 | 56 | 62 |
| Humanities ¹ | 55 | 61 | 63 | 73 | 72 | 94 | 88 | 103 | 87 | 93 |
| Professional/other/unknown | 60 | 63 | 54 | 57 | 57 | 69 | 59 | 66 | 82 | 88 |
| Hispanic, total ² | | | | | | | | | | |
| Grand total, all fields | 512 | 522 | 546 | 574 | 644 | 745 | 698 | 702 | 767 | 757 |
| Science and engineering ¹ | 230 | 232 | 273 | 266 | 326 | 362 | 349 | 337 | 379 | 362 |
| Engineering | 6 | 11 | 15 | 23 | 13 | 23 | 13 | 22 | 25 | 23 |
| Chemical | 0 | 2 | 6 | 3 | 0 | 4 | 4 | 5 | 7 | 4 |
| Civil | 3 | 1 | 0 | 1 | 3 | 6 | 1 | 2 | 0 | 5 |
| Electrical | 0 | 1 | 4 | 6 | 2 | 4 | 1 | 3 | 4 | 4 |
| Mechanical | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 5 | 1 |
| Other engineering | 2 | 7 | 5 | 10 | 7 | 8 | 6 | 12 | 9 | 9 |
| Sciences ¹ | 224 | 221 | 258 | 243 | 313 | 339 | 336 | 315 | 354 | 339 |
| Agricultural sciences | 12 | 5 | 4 | 7 | 13 | 7 | 11 | 10 | 7 | 8 |
| Biological sciences | 62 | 47 | 66 | 63 | 79 | 76 | 91 | 77 | 114 | 79 |
| Computer sciences | 0 | 4 | 7 | 2 | 1 | 3 | 3 | 4 | 2 | 4 |
| Earth, atmospheric, and ocean sciences | 2 | 6 | 6 | 5 | 6 | 4 | 3 | 9 | 3 | 9 |
| Mathematics | 3 | 4 | 0 | 6 | 7 | 5 | 7 | 5 | 4 | 7 |
| Physical sciences | 21 | 21 | 12 | 15 | 11 | 22 | 25 | 22 | 22 | 23 |
| Astronomy | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| Chemistry | 16 | 14 | 7 | 12 | 9 | 21 | 21 | 17 | 18 | 18 |
| Physics | 5 | 5 | 4 | 2 | 2 | 1 | 3 | 4 | 3 | 4 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 90 | 97 | 120 | 107 | 152 | 158 | 151 | 129 | 129 | 115 |
| Social sciences ¹ | 34 | 37 | 43 | 38 | 44 | 64 | 45 | 59 | 73 | 94 |
| Non-S&E ¹ | 282 | 290 | 273 | 308 | 318 | 383 | 349 | 365 | 388 | 395 |
| Education | 159 | 167 | 131 | 164 | 178 | 212 | 185 | 184 | 216 | 218 |

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Health | 18 | 15 | 22 | 24 | 25 | 31 | 24 | 21 | 23 | 33 |
| Humanities ¹ | 89 | 82 | 93 | 101 | 95 | 107 | 110 | 132 | 124 | 115 |
| Professional/other/unknown | 16 | 26 | 27 | 19 | 20 | 33 | 30 | 28 | 25 | 29 |
| Puerto Rican | | | | | | | | | | |
| Grand total, all fields | 134 | 149 | 138 | 160 | 180 | 194 | 198 | 181 | 196 | 133 |
| Science and engineering ¹ | 59 | 63 | 68 | 73 | 104 | 96 | 106 | 87 | 104 | 73 |
| Engineering | 0 | 2 | 5 | 4 | 1 | 8 | 4 | 4 | 11 | 2 |
| Chemical | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 2 | 5 | 0 |
| Civil | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Electrical | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| Mechanical | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Other engineering | 0 | 1 | 3 | 3 | 1 | 4 | 2 | 2 | 3 | 0 |
| Sciences ¹ | 59 | 61 | 63 | 69 | 103 | 88 | 102 | 83 | 93 | 71 |
| Agricultural sciences | 3 | 0 | 1 | 1 | 1 | 1 | 3 | 2 | 3 | 3 |
| Biological sciences | 14 | 9 | 18 | 16 | 23 | 23 | 22 | 30 | 38 | 14 |
| Computer sciences | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Earth, atmospheric, and ocean sciences | 0 | 1 | 0 | 2 | 3 | 1 | 0 | 2 | 0 | 0 |
| Mathematics | 0 | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 2 |
| Physical sciences | 7 | 9 | 4 | 2 | 5 | 9 | 10 | 4 | 4 | 6 |
| Astronomy | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Chemistry | 6 | 8 | 3 | 2 | 5 | 9 | 10 | 3 | 4 | 5 |
| Physics | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 30 | 31 | 33 | 36 | 59 | 41 | 59 | 36 | 36 | 37 |
| Social sciences ¹ | 5 | 10 | 6 | 11 | 8 | 12 | 7 | 9 | 12 | 9 |
| Non-S&E ¹ | 75 | 86 | 70 | 87 | 76 | 98 | 92 | 94 | 92 | 60 |
| Education | 45 | 50 | 35 | 51 | 49 | 66 | 51 | 62 | 53 | 35 |
| Health | 4 | 5 | 5 | 7 | 4 | 6 | 6 | 3 | 7 | 4 |
| Humanities ¹ | 22 | 16 | 22 | 23 | 17 | 17 | 25 | 23 | 25 | 11 |
| Professional/other/unknown | 4 | 15 | 8 | 6 | 6 | 9 | 10 | 6 | 7 | 10 |
| Mexican American | | | | | | | | | | |
| Grand total, all fields | 147 | 131 | 127 | 145 | 204 | 187 | 206 | 205 | 233 | 247 |
| Science and engineering ¹ | 58 | 61 | 54 | 70 | 87 | 73 | 87 | 84 | 104 | 103 |
| Engineering | 2 | 1 | 3 | 7 | 3 | 4 | 3 | 5 | 6 | 4 |
| Chemical | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 1 |
| Civil | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 0 |
| Electrical | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 2 | 0 | 1 |
| Mechanical | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Other engineering | 2 | 0 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| Sciences ¹ | 56 | 60 | 51 | 63 | 84 | 69 | 84 | 79 | 98 | 99 |
| Agricultural sciences | 2 | 1 | 1 | 0 | 3 | 0 | 2 | 2 | 3 | 1 |
| Biological sciences | 13 | 11 | 12 | 22 | 22 | 16 | 19 | 17 | 31 | 18 |
| Computer sciences | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 0 |

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mathematics | 1 | 2 | 0 | 1 | 3 | 2 | 4 | 3 | 1 | 3 |
| Physical sciences | 4 | 4 | 3 | 2 | 3 | 5 | 3 | 2 | 6 | 10 |
| Astronomy | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Chemistry | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 9 |
| Physics | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 23 | 33 | 20 | 29 | 35 | 27 | 39 | 36 | 36 | 32 |
| Social sciences ¹ | 13 | 6 | 13 | 8 | 17 | 18 | 15 | 16 | 20 | 33 |
| Non-S&E ¹ | 89 | 70 | 73 | 75 | 117 | 114 | 119 | 121 | 129 | 144 |
| Education | 64 | 51 | 41 | 48 | 71 | 68 | 69 | 66 | 89 | 94 |
| Health | 3 | 5 | 4 | 7 | 14 | 11 | 9 | 5 | 4 | 11 |
| Humanities ¹ | 19 | 13 | 20 | 16 | 26 | 22 | 35 | 40 | 30 | 28 |
| Professional/other/unknown | 3 | 1 | 8 | 4 | 6 | 13 | 6 | 10 | 6 | 11 |
| Other Hispanic | | | | | | | | | | |
| Grand total, all fields | 231 | 242 | 281 | 269 | 260 | 364 | 294 | 316 | 338 | 377 |
| Science and engineering ¹ | 113 | 108 | 151 | 123 | 135 | 193 | 156 | 166 | 171 | 186 |
| Engineering | 4 | 8 | 7 | 12 | 9 | 11 | 6 | 13 | 8 | 17 |
| Chemical | 0 | 0 | 3 | 2 | 0 | 3 | 1 | 3 | 0 | 3 |
| Civil | 3 | 1 | 0 | 0 | 2 | 3 | 1 | 1 | 0 | 4 |
| Electrical | 0 | 1 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 3 |
| Mechanical | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 0 |
| Other engineering | 0 | 6 | 1 | 5 | 4 | 3 | 2 | 8 | 4 | 7 |
| Sciences ¹ | 109 | 100 | 144 | 111 | 126 | 182 | 150 | 153 | 163 | 169 |
| Agricultural sciences | 7 | 4 | 2 | 6 | 9 | 6 | 6 | 6 | 1 | 4 |
| Biological sciences | 35 | 27 | 36 | 25 | 34 | 37 | 50 | 30 | 45 | 47 |
| Computer sciences | 0 | 2 | 6 | 2 | 0 | 2 | 2 | 4 | 2 | 2 |
| Earth, atmospheric, and ocean sciences | 2 | 4 | 4 | 2 | 2 | 2 | 2 | 4 | 2 | 9 |
| Mathematics | 2 | 1 | 0 | 4 | 1 | 3 | 2 | 2 | 3 | 2 |
| Physical sciences | 10 | 8 | 5 | 11 | 3 | 8 | 12 | 16 | 12 | 7 |
| Astronomy | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| Chemistry | 7 | 4 | 2 | 8 | 1 | 8 | 8 | 12 | 11 | 4 |
| Physics | 3 | 4 | 2 | 2 | 2 | 0 | 3 | 3 | 1 | 3 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 37 | 33 | 67 | 42 | 58 | 90 | 53 | 57 | 57 | 46 |
| Social sciences ¹ | 16 | 21 | 24 | 19 | 19 | 34 | 23 | 34 | 41 | 52 |
| Non-S&E ¹ | 118 | 134 | 130 | 146 | 125 | 171 | 138 | 150 | 167 | 191 |
| Education | 50 | 66 | 55 | 65 | 58 | 78 | 65 | 56 | 74 | 89 |
| Health | 11 | 5 | 13 | 10 | 7 | 14 | 9 | 13 | 12 | 18 |
| Humanities ¹ | 48 | 53 | 51 | 62 | 52 | 68 | 50 | 69 | 69 | 76 |
| Professional/other/unknown | 9 | 10 | 11 | 9 | 8 | 11 | 14 | 12 | 12 | 8 |
| White | | | | | | | | | | |
| Grand total, all fields | 11,027 | 11,170 | 11,446 | 10,963 | 11,388 | 11,216 | 11,401 | 11,001 | 10,595 | 10,696 |
| Science and engineering ¹ | 5,154 | 5,214 | 5,349 | 5,266 | 5,493 | 5,457 | 5,511 | 5,283 | 5,038 | 5,117 |

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Engineering | 305 | 321 | 348 | 332 | 307 | 351 | 334 | 318 | 276 | 300 |
| Chemical | 48 | 60 | 69 | 52 | 52 | 50 | 67 | 59 | 52 | 50 |
| Civil | 46 | 34 | 31 | 40 | 45 | 47 | 34 | 51 | 41 | 58 |
| Electrical | 54 | 67 | 66 | 54 | 53 | 44 | 55 | 34 | 30 | 24 |
| Mechanical | 26 | 25 | 39 | 33 | 37 | 45 | 33 | 27 | 20 | 27 |
| Other engineering | 131 | 135 | 143 | 153 | 120 | 165 | 145 | 147 | 133 | 141 |
| Sciences ¹ | 4,849 | 4,893 | 5,001 | 4,934 | 5,186 | 5,106 | 5,177 | 4,965 | 4,762 | 4,817 |
| Agricultural sciences | 120 | 104 | 135 | 118 | 140 | 125 | 136 | 135 | 125 | 127 |
| Biological sciences | 1,347 | 1,345 | 1,399 | 1,398 | 1,436 | 1,402 | 1,510 | 1,487 | 1,392 | 1,447 |
| Computer sciences | 75 | 103 | 61 | 66 | 84 | 71 | 62 | 60 | 59 | 64 |
| Earth, atmospheric, and ocean sciences | 123 | 108 | 109 | 129 | 140 | 127 | 141 | 140 | 160 | 149 |
| Mathematics | 118 | 126 | 105 | 135 | 150 | 159 | 126 | 120 | 111 | 110 |
| Physical sciences | 408 | 447 | 430 | 412 | 449 | 396 | 419 | 395 | 419 | 426 |
| Astronomy | 19 | 19 | 30 | 22 | 24 | 23 | 26 | 27 | 18 | 25 |
| Chemistry | 307 | 351 | 308 | 305 | 344 | 293 | 323 | 297 | 323 | 315 |
| Physics | 80 | 74 | 90 | 80 | 74 | 75 | 65 | 68 | 72 | 82 |
| Other physical sciences | 2 | 3 | 2 | 5 | 7 | 5 | 5 | 3 | 6 | 4 |
| Psychology | 1,701 | 1,742 | 1,835 | 1,690 | 1,763 | 1,789 | 1,725 | 1,628 | 1,480 | 1,542 |
| Social sciences ¹ | 957 | 918 | 927 | 986 | 1,024 | 1,037 | 1,058 | 1,000 | 1,016 | 952 |
| Non-S&E ¹ | 5,873 | 5,956 | 6,097 | 5,697 | 5,895 | 5,759 | 5,890 | 5,718 | 5,557 | 5,579 |
| Education | 3,075 | 2,993 | 3,110 | 2,836 | 2,822 | 2,903 | 2,837 | 2,707 | 2,672 | 2,767 |
| Health | 609 | 600 | 610 | 609 | 695 | 580 | 690 | 651 | 682 | 696 |
| Humanities ¹ | 1,553 | 1,697 | 1,748 | 1,677 | 1,749 | 1,712 | 1,805 | 1,804 | 1,648 | 1,622 |
| Professional/other/unknown | 636 | 666 | 629 | 575 | 629 | 564 | 558 | 556 | 555 | 494 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

² Hispanic, total includes Puerto Rican, Mexican American, and other Hispanic.

NOTE: Persons with unknown race/ethnicity are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 27,149 | 27,742 | 27,775 | 28,151 | 28,456 | 27,984 | 27,978 | 27,031 | 25,997 | 26,413 |
| Science and engineering ¹ | 15,166 | 15,487 | 15,638 | 16,112 | 16,237 | 15,912 | 15,705 | 15,060 | 14,342 | 14,571 |
| Engineering | 2,215 | 2,386 | 2,596 | 2,739 | 2,565 | 2,485 | 2,221 | 2,140 | 1,892 | 1,898 |
| Chemical | 293 | 291 | 318 | 321 | 328 | 333 | 339 | 329 | 302 | 272 |
| Civil | 203 | 206 | 212 | 249 | 246 | 261 | 221 | 222 | 210 | 239 |
| Electrical | 634 | 683 | 708 | 753 | 638 | 639 | 532 | 465 | 424 | 403 |
| Mechanical | 359 | 383 | 436 | 456 | 433 | 398 | 341 | 385 | 285 | 287 |
| Other engineering | 726 | 823 | 922 | 960 | 920 | 854 | 788 | 739 | 671 | 697 |
| Sciences ¹ | 12,951 | 13,101 | 13,042 | 13,373 | 13,672 | 13,427 | 13,484 | 12,920 | 12,450 | 12,673 |
| Agricultural sciences | 519 | 492 | 472 | 467 | 464 | 443 | 447 | 403 | 390 | 443 |
| Biological sciences | 3,422 | 3,494 | 3,546 | 3,670 | 3,756 | 3,660 | 3,904 | 3,899 | 3,796 | 3,782 |
| Computer sciences | 426 | 484 | 422 | 430 | 476 | 420 | 388 | 367 | 355 | 384 |
| Earth, atmospheric, and ocean sciences | 507 | 478 | 462 | 537 | 500 | 475 | 475 | 430 | 458 | 474 |
| Mathematics | 504 | 554 | 490 | 530 | 576 | 539 | 518 | 469 | 411 | 470 |
| Physical sciences | 2,198 | 2,137 | 2,078 | 2,131 | 2,141 | 2,035 | 1,890 | 1,861 | 1,778 | 1,815 |
| Astronomy | 103 | 120 | 137 | 151 | 132 | 111 | 127 | 119 | 104 | 125 |
| Chemistry | 1,291 | 1,238 | 1,170 | 1,234 | 1,288 | 1,256 | 1,119 | 1,127 | 1,136 | 1,169 |
| Physics | 789 | 764 | 762 | 731 | 705 | 657 | 625 | 602 | 527 | 500 |
| Other physical sciences | 15 | 15 | 9 | 15 | 16 | 11 | 19 | 13 | 11 | 21 |
| Psychology | 3,052 | 3,083 | 3,129 | 3,036 | 3,181 | 3,222 | 3,156 | 2,958 | 2,723 | 2,776 |
| Social sciences ¹ | 2,323 | 2,379 | 2,443 | 2,572 | 2,578 | 2,633 | 2,706 | 2,533 | 2,539 | 2,529 |
| Non-S&E ¹ | 11,983 | 12,255 | 12,137 | 12,039 | 12,219 | 12,072 | 12,273 | 11,971 | 11,655 | 11,842 |
| Education | 5,867 | 5,777 | 5,879 | 5,582 | 5,573 | 5,636 | 5,554 | 5,334 | 5,283 | 5,501 |
| Health | 961 | 938 | 933 | 959 | 1,072 | 972 | 1,120 | 1,088 | 1,123 | 1,166 |
| Humanities ¹ | 3,485 | 3,748 | 3,728 | 3,946 | 4,023 | 4,008 | 4,159 | 4,113 | 3,910 | 3,892 |
| Professional/other/unknown | 1,670 | 1,792 | 1,597 | 1,552 | 1,551 | 1,456 | 1,440 | 1,436 | 1,339 | 1,283 |
| American Indian/Alaskan Native | | | | | | | | | | |
| Grand total, all fields | 143 | 148 | 185 | 167 | 189 | 214 | 169 | 149 | 147 | 133 |
| Science and engineering ¹ | 64 | 68 | 94 | 79 | 96 | 114 | 88 | 72 | 67 | 71 |
| Engineering | 6 | 9 | 14 | 17 | 13 | 12 | 8 | 7 | 7 | 10 |
| Chemical | 1 | 2 | 1 | 4 | 3 | 2 | 1 | 1 | 2 | 1 |
| Civil | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 0 | 0 | 1 |
| Electrical | 1 | 1 | 2 | 5 | 3 | 1 | 0 | 1 | 0 | 5 |
| Mechanical | 0 | 2 | 3 | 6 | 2 | 2 | 3 | 1 | 1 | 0 |
| Other engineering | 4 | 4 | 6 | 0 | 5 | 5 | 3 | 4 | 4 | 3 |
| Sciences ¹ | 58 | 59 | 80 | 62 | 83 | 102 | 80 | 65 | 60 | 61 |
| Agricultural sciences | 1 | 2 | 6 | 5 | 9 | 1 | 4 | 0 | 2 | 4 |
| Biological sciences | 16 | 15 | 20 | 7 | 12 | 20 | 17 | 15 | 12 | 11 |
| Computer sciences | 1 | 0 | 4 | 1 | 4 | 1 | 1 | 0 | 1 | 2 |
| Earth, atmospheric, and ocean sciences | 1 | 0 | 2 | 2 | 3 | 6 | 5 | 0 | 0 | 2 |
| Mathematics | 2 | 2 | 1 | 1 | 3 | 1 | 2 | 1 | 3 | 2 |
| Physical sciences | 6 | 8 | 6 | 10 | 9 | 9 | 9 | 12 | 7 | 2 |
| Astronomy | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| Chemistry | 4 | 6 | 4 | 6 | 7 | 5 | 7 | 11 | 5 | 2 |

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physics | 2 | 2 | 2 | 2 | 1 | 3 | 1 | 0 | 2 | 0 |
| Other physical sciences | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 12 | 14 | 17 | 18 | 31 | 35 | 22 | 17 | 15 | 22 |
| Social sciences ¹ | 19 | 18 | 24 | 18 | 12 | 29 | 20 | 20 | 20 | 16 |
| Non-S&E ¹ | 79 | 80 | 91 | 88 | 93 | 100 | 81 | 77 | 80 | 62 |
| Education | 37 | 41 | 60 | 51 | 50 | 58 | 51 | 42 | 46 | 39 |
| Health | 6 | 9 | 4 | 6 | 4 | 6 | 4 | 6 | 3 | 2 |
| Humanities ¹ | 20 | 18 | 18 | 19 | 21 | 21 | 20 | 21 | 20 | 15 |
| Professional/other/unknown | 16 | 12 | 9 | 12 | 18 | 15 | 6 | 8 | 11 | 6 |
| Asian/Pacific Islander | | | | | | | | | | |
| Grand total, all fields | 937 | 1,129 | 1,066 | 1,296 | 1,155 | 1,304 | 1,363 | 1,440 | 1,439 | 1,417 |
| Science and engineering ¹ | 728 | 884 | 821 | 1,000 | 869 | 988 | 991 | 1,066 | 1,078 | 1,030 |
| Engineering | 200 | 254 | 271 | 290 | 243 | 263 | 240 | 262 | 250 | 206 |
| Chemical | 27 | 27 | 27 | 17 | 36 | 32 | 43 | 37 | 49 | 37 |
| Civil | 7 | 15 | 17 | 13 | 16 | 20 | 18 | 15 | 14 | 10 |
| Electrical | 96 | 92 | 109 | 128 | 86 | 92 | 79 | 79 | 81 | 76 |
| Mechanical | 28 | 37 | 40 | 50 | 35 | 42 | 39 | 49 | 32 | 26 |
| Other engineering | 42 | 83 | 78 | 82 | 70 | 77 | 61 | 82 | 74 | 57 |
| Sciences ¹ | 528 | 630 | 550 | 710 | 626 | 725 | 751 | 804 | 828 | 824 |
| Agricultural sciences | 14 | 10 | 12 | 16 | 6 | 21 | 13 | 7 | 9 | 7 |
| Biological sciences | 193 | 225 | 233 | 255 | 249 | 288 | 318 | 369 | 392 | 389 |
| Computer sciences | 32 | 42 | 37 | 42 | 39 | 43 | 41 | 34 | 50 | 45 |
| Earth, atmospheric, and ocean sciences | 7 | 8 | 8 | 16 | 7 | 15 | 9 | 15 | 11 | 10 |
| Mathematics | 18 | 24 | 23 | 33 | 25 | 29 | 44 | 30 | 20 | 38 |
| Physical sciences | 120 | 146 | 105 | 151 | 117 | 123 | 102 | 125 | 126 | 112 |
| Astronomy | 4 | 4 | 5 | 6 | 6 | 2 | 8 | 6 | 10 | 8 |
| Chemistry | 69 | 90 | 55 | 82 | 71 | 88 | 49 | 73 | 78 | 65 |
| Physics | 46 | 52 | 45 | 63 | 40 | 33 | 44 | 46 | 38 | 38 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Psychology | 80 | 83 | 75 | 101 | 92 | 110 | 121 | 108 | 113 | 110 |
| Social sciences ¹ | 64 | 92 | 57 | 96 | 91 | 96 | 103 | 116 | 107 | 113 |
| Non-S&E ¹ | 209 | 245 | 245 | 296 | 286 | 316 | 372 | 374 | 361 | 387 |
| Education | 80 | 84 | 87 | 100 | 99 | 100 | 124 | 110 | 113 | 120 |
| Health | 35 | 22 | 37 | 42 | 32 | 45 | 55 | 73 | 59 | 74 |
| Humanities ¹ | 57 | 84 | 78 | 104 | 101 | 112 | 124 | 123 | 141 | 132 |
| Professional/other/unknown | 37 | 55 | 43 | 50 | 54 | 59 | 69 | 68 | 48 | 61 |
| Black | | | | | | | | | | |
| Grand total, all fields | 1,099 | 1,293 | 1,305 | 1,335 | 1,485 | 1,629 | 1,629 | 1,614 | 1,662 | 1,708 |
| Science and engineering ¹ | 389 | 461 | 487 | 530 | 574 | 637 | 646 | 631 | 634 | 612 |
| Engineering | 43 | 53 | 59 | 83 | 73 | 85 | 74 | 82 | 76 | 69 |
| Chemical | 6 | 2 | 10 | 12 | 3 | 9 | 8 | 16 | 10 | 8 |
| Civil | 8 | 7 | 6 | 9 | 7 | 5 | 5 | 7 | 10 | 6 |
| Electrical | 14 | 20 | 17 | 27 | 22 | 26 | 19 | 20 | 15 | 19 |

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Mechanical | 4 | 7 | 9 | 10 | 12 | 10 | 17 | 17 | 16 | 9 |
| Other engineering | 11 | 17 | 17 | 25 | 29 | 35 | 25 | 22 | 25 | 27 |
| Sciences ¹ | 346 | 408 | 428 | 447 | 501 | 552 | 572 | 549 | 558 | 543 |
| Agricultural sciences | 10 | 9 | 14 | 14 | 8 | 16 | 8 | 9 | 8 | 12 |
| Biological sciences | 66 | 90 | 82 | 101 | 101 | 109 | 110 | 124 | 114 | 100 |
| Computer sciences | 7 | 9 | 12 | 4 | 12 | 16 | 13 | 13 | 17 | 17 |
| Earth, atmospheric, and ocean sciences | 3 | 2 | 3 | 4 | 7 | 11 | 7 | 5 | 5 | 15 |
| Mathematics | 9 | 4 | 8 | 6 | 12 | 10 | 14 | 17 | 13 | 14 |
| Physical sciences | 33 | 36 | 45 | 45 | 51 | 54 | 52 | 46 | 62 | 50 |
| Astronomy | 0 | 1 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 1 |
| Chemistry | 23 | 27 | 34 | 31 | 40 | 46 | 36 | 36 | 41 | 35 |
| Physics | 9 | 8 | 11 | 12 | 10 | 6 | 15 | 9 | 20 | 12 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Psychology | 112 | 143 | 144 | 142 | 152 | 168 | 184 | 169 | 163 | 162 |
| Social sciences ¹ | 106 | 115 | 120 | 131 | 158 | 168 | 184 | 166 | 176 | 173 |
| Non-S&E ¹ | 710 | 832 | 818 | 805 | 911 | 992 | 983 | 983 | 1,028 | 1,096 |
| Education | 486 | 579 | 580 | 527 | 628 | 661 | 674 | 649 | 676 | 743 |
| Health | 41 | 55 | 42 | 51 | 60 | 51 | 67 | 60 | 67 | 75 |
| Humanities ¹ | 94 | 97 | 105 | 125 | 131 | 150 | 145 | 158 | 153 | 142 |
| Professional/other/unknown | 89 | 101 | 91 | 102 | 92 | 130 | 97 | 116 | 132 | 136 |
| Hispanic, total ² | | | | | | | | | | |
| Grand total, all fields | 884 | 922 | 957 | 1,063 | 1,205 | 1,184 | 1,180 | 1,127 | 1,237 | 1,270 |
| Science and engineering ¹ | 463 | 488 | 534 | 574 | 683 | 646 | 650 | 584 | 653 | 654 |
| Engineering | 49 | 61 | 87 | 82 | 100 | 71 | 69 | 73 | 87 | 90 |
| Chemical | 5 | 12 | 15 | 6 | 10 | 5 | 13 | 5 | 16 | 14 |
| Civil | 7 | 7 | 2 | 10 | 15 | 11 | 8 | 8 | 7 | 11 |
| Electrical | 16 | 14 | 27 | 23 | 27 | 28 | 19 | 15 | 28 | 21 |
| Mechanical | 7 | 5 | 11 | 13 | 19 | 8 | 10 | 17 | 10 | 12 |
| Other engineering | 14 | 23 | 32 | 30 | 29 | 19 | 19 | 28 | 26 | 32 |
| Sciences ¹ | 414 | 427 | 447 | 492 | 583 | 575 | 581 | 511 | 566 | 564 |
| Agricultural sciences | 16 | 10 | 9 | 14 | 25 | 10 | 17 | 15 | 17 | 16 |
| Biological sciences | 111 | 104 | 109 | 131 | 150 | 155 | 154 | 149 | 161 | 157 |
| Computer sciences | 5 | 6 | 12 | 15 | 13 | 12 | 11 | 6 | 13 | 8 |
| Earth, atmospheric, and ocean sciences | 7 | 7 | 13 | 16 | 15 | 19 | 18 | 11 | 14 | 13 |
| Mathematics | 12 | 12 | 9 | 17 | 25 | 12 | 13 | 14 | 11 | 14 |
| Physical sciences | 75 | 61 | 51 | 58 | 49 | 56 | 72 | 61 | 56 | 61 |
| Astronomy | 2 | 3 | 1 | 3 | 2 | 1 | 1 | 7 | 3 | 3 |
| Chemistry | 49 | 38 | 32 | 36 | 34 | 41 | 49 | 39 | 35 | 38 |
| Physics | 24 | 20 | 18 | 19 | 13 | 14 | 21 | 15 | 18 | 20 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 128 | 138 | 167 | 161 | 197 | 205 | 203 | 160 | 180 | 161 |
| Social sciences ¹ | 60 | 89 | 77 | 80 | 109 | 106 | 93 | 95 | 114 | 134 |
| Non-S&E ¹ | 421 | 434 | 423 | 489 | 522 | 538 | 530 | 543 | 584 | 616 |
| Education | 226 | 235 | 205 | 247 | 285 | 289 | 274 | 267 | 306 | 327 |

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Health | 20 | 29 | 31 | 29 | 37 | 39 | 33 | 24 | 29 | 38 |
| Humanities ¹ | 129 | 123 | 138 | 173 | 156 | 160 | 176 | 194 | 205 | 202 |
| Professional/other/unknown | 46 | 47 | 49 | 40 | 44 | 50 | 47 | 58 | 44 | 49 |
| Puerto Rican | | | | | | | | | | |
| Grand total, all fields | 257 | 269 | 252 | 313 | 308 | 335 | 326 | 303 | 345 | 259 |
| Science and engineering ¹ | 131 | 137 | 142 | 171 | 173 | 184 | 183 | 155 | 196 | 148 |
| Engineering | 10 | 13 | 22 | 23 | 17 | 23 | 20 | 13 | 26 | 19 |
| Chemical | 2 | 4 | 4 | 1 | 3 | 2 | 5 | 2 | 8 | 4 |
| Civil | 1 | 1 | 1 | 5 | 1 | 2 | 2 | 2 | 1 | 4 |
| Electrical | 3 | 3 | 4 | 4 | 3 | 11 | 6 | 2 | 7 | 4 |
| Mechanical | 1 | 1 | 3 | 6 | 5 | 2 | 2 | 1 | 3 | 2 |
| Other engineering | 3 | 4 | 10 | 7 | 5 | 6 | 5 | 6 | 7 | 5 |
| Sciences ¹ | 121 | 124 | 120 | 148 | 156 | 161 | 163 | 142 | 170 | 129 |
| Agricultural sciences | 5 | 3 | 4 | 4 | 3 | 1 | 6 | 4 | 8 | 3 |
| Biological sciences | 28 | 30 | 32 | 36 | 43 | 47 | 33 | 48 | 56 | 35 |
| Computer sciences | 4 | 0 | 5 | 6 | 2 | 6 | 4 | 1 | 4 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 2 | 3 | 6 | 5 | 5 | 5 | 3 | 4 | 4 |
| Mathematics | 1 | 1 | 3 | 4 | 7 | 2 | 2 | 2 | 3 | 3 |
| Physical sciences | 26 | 21 | 12 | 20 | 11 | 22 | 20 | 14 | 20 | 17 |
| Astronomy | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Chemistry | 19 | 17 | 9 | 13 | 9 | 18 | 19 | 11 | 11 | 14 |
| Physics | 7 | 3 | 3 | 7 | 1 | 4 | 1 | 3 | 8 | 2 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 43 | 44 | 48 | 56 | 71 | 57 | 74 | 45 | 50 | 47 |
| Social sciences ¹ | 14 | 23 | 13 | 16 | 14 | 21 | 19 | 25 | 25 | 18 |
| Non-S&E ¹ | 126 | 132 | 110 | 142 | 135 | 151 | 143 | 148 | 149 | 111 |
| Education | 68 | 69 | 52 | 72 | 77 | 90 | 75 | 88 | 79 | 52 |
| Health | 6 | 12 | 7 | 10 | 7 | 11 | 9 | 5 | 9 | 4 |
| Humanities ¹ | 38 | 30 | 38 | 49 | 37 | 31 | 44 | 41 | 51 | 40 |
| Professional/other/unknown | 14 | 21 | 13 | 11 | 14 | 19 | 15 | 14 | 10 | 15 |
| Mexican American | | | | | | | | | | |
| Grand total, all fields | 290 | 276 | 282 | 297 | 409 | 339 | 400 | 379 | 400 | 437 |
| Science and engineering ¹ | 134 | 139 | 142 | 154 | 213 | 155 | 206 | 169 | 185 | 200 |
| Engineering | 14 | 14 | 26 | 18 | 28 | 11 | 26 | 17 | 16 | 14 |
| Chemical | 1 | 3 | 4 | 3 | 1 | 0 | 4 | 0 | 3 | 2 |
| Civil | 1 | 3 | 0 | 2 | 5 | 3 | 4 | 1 | 1 | 0 |
| Electrical | 4 | 3 | 9 | 5 | 6 | 3 | 4 | 8 | 4 | 3 |
| Mechanical | 2 | 1 | 4 | 2 | 3 | 1 | 6 | 4 | 3 | 2 |
| Other engineering | 6 | 4 | 9 | 6 | 13 | 4 | 8 | 4 | 5 | 7 |
| Sciences ¹ | 120 | 125 | 116 | 136 | 185 | 144 | 180 | 152 | 169 | 186 |
| Agricultural sciences | 5 | 3 | 2 | 2 | 9 | 3 | 5 | 3 | 5 | 7 |
| Biological sciences | 29 | 25 | 28 | 40 | 49 | 39 | 44 | 47 | 52 | 50 |
| Computer sciences | 0 | 3 | 1 | 2 | 3 | 0 | 3 | 2 | 3 | 3 |
| Earth, atmospheric, and ocean sciences | 4 | 3 | 5 | 3 | 5 | 5 | 5 | 3 | 6 | 0 |

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mathematics | 4 | 5 | 2 | 3 | 6 | 7 | 8 | 6 | 2 | 4 |
| Physical sciences | 20 | 13 | 20 | 14 | 21 | 15 | 22 | 15 | 16 | 24 |
| Astronomy | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 0 |
| Chemistry | 16 | 8 | 14 | 9 | 15 | 9 | 17 | 6 | 7 | 19 |
| Physics | 3 | 4 | 5 | 5 | 5 | 6 | 5 | 6 | 8 | 5 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 38 | 47 | 38 | 49 | 51 | 40 | 60 | 48 | 51 | 48 |
| Social sciences ¹ | 20 | 26 | 20 | 23 | 41 | 35 | 33 | 28 | 34 | 50 |
| Non-S&E ¹ | 156 | 137 | 140 | 143 | 196 | 184 | 194 | 210 | 215 | 237 |
| Education | 100 | 91 | 78 | 89 | 116 | 103 | 113 | 116 | 137 | 149 |
| Health | 3 | 8 | 6 | 7 | 15 | 14 | 11 | 7 | 7 | 13 |
| Humanities ¹ | 39 | 33 | 39 | 37 | 54 | 49 | 57 | 65 | 60 | 58 |
| Professional/other/unknown | 14 | 5 | 17 | 10 | 11 | 18 | 13 | 22 | 11 | 17 |
| Other Hispanic | | | | | | | | | | |
| Grand total, all fields | 337 | 377 | 423 | 453 | 488 | 510 | 454 | 445 | 492 | 574 |
| Science and engineering ¹ | 198 | 212 | 250 | 249 | 297 | 307 | 261 | 260 | 272 | 306 |
| Engineering | 25 | 34 | 39 | 41 | 55 | 37 | 23 | 43 | 45 | 57 |
| Chemical | 2 | 5 | 7 | 2 | 6 | 3 | 4 | 3 | 5 | 8 |
| Civil | 5 | 3 | 1 | 3 | 9 | 6 | 2 | 5 | 5 | 7 |
| Electrical | 9 | 8 | 14 | 14 | 18 | 14 | 9 | 5 | 17 | 14 |
| Mechanical | 4 | 3 | 4 | 5 | 11 | 5 | 2 | 12 | 4 | 8 |
| Other engineering | 5 | 15 | 13 | 17 | 11 | 9 | 6 | 18 | 14 | 20 |
| Sciences ¹ | 173 | 178 | 211 | 208 | 242 | 270 | 238 | 217 | 227 | 249 |
| Agricultural sciences | 6 | 4 | 3 | 8 | 13 | 6 | 6 | 8 | 4 | 6 |
| Biological sciences | 54 | 49 | 49 | 55 | 58 | 69 | 77 | 54 | 53 | 72 |
| Computer sciences | 1 | 3 | 6 | 7 | 8 | 6 | 4 | 3 | 6 | 3 |
| Earth, atmospheric, and ocean sciences | 3 | 2 | 5 | 7 | 5 | 9 | 8 | 5 | 4 | 9 |
| Mathematics | 7 | 6 | 4 | 10 | 12 | 3 | 3 | 6 | 6 | 7 |
| Physical sciences | 29 | 27 | 19 | 24 | 17 | 19 | 30 | 32 | 20 | 20 |
| Astronomy | 1 | 1 | 0 | 3 | 0 | 1 | 1 | 4 | 1 | 2 |
| Chemistry | 14 | 13 | 9 | 14 | 10 | 14 | 13 | 22 | 17 | 5 |
| Physics | 14 | 13 | 10 | 7 | 7 | 4 | 15 | 6 | 2 | 13 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 47 | 47 | 81 | 56 | 75 | 108 | 69 | 67 | 79 | 66 |
| Social sciences ¹ | 26 | 40 | 44 | 41 | 54 | 50 | 41 | 42 | 55 | 66 |
| Non-S&E ¹ | 139 | 165 | 173 | 204 | 191 | 203 | 193 | 185 | 220 | 268 |
| Education | 58 | 75 | 75 | 86 | 92 | 96 | 86 | 63 | 90 | 126 |
| Health | 11 | 9 | 18 | 12 | 15 | 14 | 13 | 12 | 13 | 21 |
| Humanities ¹ | 52 | 60 | 61 | 87 | 65 | 80 | 75 | 88 | 94 | 104 |
| Professional/other/unknown | 18 | 21 | 19 | 19 | 19 | 13 | 19 | 22 | 23 | 17 |
| White | | | | | | | | | | |
| Grand total, all fields | 23,795 | 23,891 | 23,847 | 23,181 | 23,454 | 23,092 | 22,968 | 21,930 | 20,755 | 20,818 |
| Science and engineering ¹ | 13,350 | 13,360 | 13,449 | 13,293 | 13,447 | 13,193 | 12,921 | 12,251 | 11,487 | 11,575 |

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Engineering | 1,887 | 1,958 | 2,126 | 2,151 | 2,037 | 1,989 | 1,764 | 1,644 | 1,394 | 1,453 |
| Chemical | 246 | 242 | 261 | 269 | 262 | 279 | 268 | 259 | 214 | 203 |
| Civil | 181 | 175 | 184 | 206 | 197 | 219 | 181 | 176 | 170 | 203 |
| Electrical | 503 | 540 | 542 | 529 | 485 | 472 | 397 | 337 | 280 | 263 |
| Mechanical | 316 | 320 | 369 | 361 | 348 | 322 | 262 | 291 | 212 | 228 |
| Other engineering | 641 | 681 | 770 | 786 | 745 | 697 | 656 | 581 | 518 | 556 |
| Sciences ¹ | 11,463 | 11,402 | 11,323 | 11,142 | 11,410 | 11,204 | 11,157 | 10,607 | 10,093 | 10,122 |
| Agricultural sciences | 471 | 456 | 422 | 397 | 402 | 385 | 396 | 361 | 347 | 388 |
| Biological sciences | 3,003 | 3,020 | 3,050 | 3,069 | 3,139 | 3,017 | 3,196 | 3,139 | 3,026 | 2,970 |
| Computer sciences | 375 | 416 | 342 | 341 | 383 | 336 | 310 | 300 | 266 | 291 |
| Earth, atmospheric, and ocean sciences | 486 | 452 | 430 | 476 | 451 | 412 | 417 | 385 | 412 | 415 |
| Mathematics | 455 | 507 | 440 | 449 | 491 | 474 | 437 | 396 | 352 | 379 |
| Physical sciences | 1,943 | 1,847 | 1,823 | 1,794 | 1,835 | 1,750 | 1,611 | 1,557 | 1,477 | 1,495 |
| Astronomy | 94 | 109 | 127 | 129 | 113 | 104 | 111 | 99 | 86 | 99 |
| Chemistry | 1,139 | 1,065 | 1,027 | 1,040 | 1,095 | 1,054 | 952 | 936 | 952 | 972 |
| Physics | 697 | 660 | 660 | 611 | 612 | 582 | 531 | 509 | 428 | 407 |
| Other physical sciences | 13 | 13 | 9 | 14 | 15 | 10 | 17 | 13 | 11 | 17 |
| Psychology | 2,693 | 2,674 | 2,701 | 2,481 | 2,593 | 2,667 | 2,570 | 2,416 | 2,188 | 2,215 |
| Social sciences ¹ | 2,037 | 2,030 | 2,115 | 2,135 | 2,116 | 2,163 | 2,220 | 2,053 | 2,025 | 1,969 |
| Non-S&E ¹ | 10,445 | 10,531 | 10,398 | 9,888 | 10,007 | 9,899 | 10,047 | 9,679 | 9,268 | 9,243 |
| Education | 4,986 | 4,796 | 4,879 | 4,414 | 4,349 | 4,438 | 4,328 | 4,160 | 3,998 | 4,091 |
| Health | 846 | 806 | 805 | 813 | 906 | 816 | 941 | 899 | 944 | 935 |
| Humanities ¹ | 3,142 | 3,367 | 3,329 | 3,366 | 3,460 | 3,467 | 3,581 | 3,472 | 3,259 | 3,228 |
| Professional/other/unknown | 1,471 | 1,562 | 1,385 | 1,295 | 1,292 | 1,178 | 1,197 | 1,148 | 1,067 | 989 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

² Hispanic, total includes Puerto Rican, Mexican American, and other Hispanic.

NOTE: Persons with unknown race/ethnicity are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 14,733 | 14,965 | 14,720 | 15,047 | 14,872 | 14,513 | 14,155 | 13,636 | 12,849 | 13,042 |
| Science and engineering ¹ | 9,463 | 9,596 | 9,581 | 9,884 | 9,736 | 9,442 | 9,081 | 8,683 | 8,146 | 8,276 |
| Engineering | 1,872 | 2,012 | 2,178 | 2,324 | 2,189 | 2,059 | 1,801 | 1,730 | 1,526 | 1,528 |
| Chemical | 236 | 221 | 235 | 260 | 263 | 268 | 248 | 247 | 229 | 204 |
| Civil | 155 | 170 | 175 | 204 | 196 | 207 | 179 | 163 | 161 | 176 |
| Electrical | 570 | 604 | 625 | 679 | 572 | 577 | 463 | 422 | 379 | 358 |
| Mechanical | 327 | 355 | 391 | 409 | 392 | 346 | 294 | 351 | 251 | 256 |
| Other engineering | 584 | 662 | 752 | 772 | 766 | 661 | 617 | 547 | 506 | 534 |
| Sciences ¹ | 7,591 | 7,584 | 7,403 | 7,560 | 7,547 | 7,383 | 7,280 | 6,953 | 6,620 | 6,748 |
| Agricultural sciences | 387 | 380 | 328 | 332 | 310 | 298 | 300 | 252 | 250 | 303 |
| Biological sciences | 1,930 | 2,006 | 1,961 | 2,031 | 2,075 | 2,011 | 2,097 | 2,115 | 2,062 | 2,021 |
| Computer sciences | 349 | 368 | 345 | 347 | 373 | 330 | 315 | 283 | 277 | 306 |
| Earth, atmospheric, and ocean sciences | 382 | 366 | 348 | 390 | 352 | 338 | 319 | 281 | 283 | 304 |
| Mathematics | 382 | 422 | 385 | 387 | 405 | 374 | 373 | 332 | 289 | 339 |
| Physical sciences | 1,745 | 1,617 | 1,611 | 1,658 | 1,629 | 1,564 | 1,408 | 1,394 | 1,287 | 1,314 |
| Astronomy | 83 | 99 | 106 | 126 | 109 | 87 | 95 | 92 | 82 | 96 |
| Chemistry | 946 | 829 | 837 | 882 | 895 | 894 | 744 | 762 | 751 | 803 |
| Physics | 703 | 676 | 661 | 639 | 616 | 578 | 556 | 529 | 449 | 402 |
| Other physical sciences | 13 | 13 | 7 | 11 | 9 | 5 | 13 | 11 | 5 | 13 |
| Psychology | 1,143 | 1,092 | 1,022 | 987 | 1,026 | 1,042 | 1,022 | 960 | 890 | 870 |
| Social sciences ¹ | 1,273 | 1,333 | 1,403 | 1,428 | 1,377 | 1,426 | 1,446 | 1,336 | 1,282 | 1,291 |
| Non-S&E ¹ | 5,270 | 5,369 | 5,139 | 5,163 | 5,136 | 5,071 | 5,074 | 4,953 | 4,703 | 4,766 |
| Education | 2,200 | 2,149 | 2,154 | 1,976 | 1,979 | 1,946 | 1,882 | 1,836 | 1,759 | 1,807 |
| Health | 283 | 263 | 248 | 254 | 273 | 285 | 309 | 312 | 314 | 329 |
| Humanities ¹ | 1,835 | 1,938 | 1,855 | 2,065 | 2,072 | 2,065 | 2,116 | 2,050 | 1,982 | 1,983 |
| Professional/other/unknown | 952 | 1,019 | 882 | 868 | 812 | 775 | 767 | 755 | 648 | 647 |
| American Indian/Alaskan Native | | | | | | | | | | |
| Grand total, all fields | 71 | 80 | 101 | 79 | 104 | 96 | 76 | 67 | 67 | 52 |
| Science and engineering ¹ | 40 | 42 | 60 | 45 | 54 | 59 | 43 | 40 | 35 | 34 |
| Engineering | 4 | 9 | 12 | 14 | 9 | 10 | 4 | 5 | 7 | 9 |
| Chemical | 1 | 2 | 1 | 3 | 0 | 1 | 0 | 1 | 2 | 0 |
| Civil | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| Electrical | 1 | 1 | 1 | 5 | 3 | 1 | 0 | 1 | 0 | 5 |
| Mechanical | 0 | 2 | 3 | 5 | 2 | 2 | 2 | 1 | 1 | 0 |
| Other engineering | 2 | 4 | 6 | 0 | 4 | 5 | 2 | 2 | 4 | 3 |
| Sciences ¹ | 36 | 33 | 48 | 31 | 45 | 49 | 39 | 35 | 28 | 25 |
| Agricultural sciences | 1 | 2 | 2 | 5 | 7 | 1 | 3 | 0 | 2 | 3 |
| Biological sciences | 11 | 10 | 11 | 4 | 6 | 10 | 10 | 8 | 6 | 3 |
| Computer sciences | 0 | 0 | 2 | 0 | 4 | 0 | 1 | 0 | 1 | 2 |
| Earth, atmospheric, and ocean sciences | 1 | 0 | 2 | 1 | 2 | 3 | 4 | 0 | 0 | 1 |
| Mathematics | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 1 |
| Physical sciences | 5 | 5 | 5 | 10 | 8 | 6 | 7 | 10 | 7 | 1 |
| Astronomy | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Chemistry | 4 | 3 | 3 | 6 | 6 | 3 | 6 | 9 | 5 | 1 |

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Physics | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 0 | 2 | 0 |
| Other physical sciences | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 5 | 6 | 8 | 6 | 13 | 12 | 3 | 5 | 7 | 8 |
| Social sciences ¹ | 11 | 9 | 17 | 4 | 4 | 16 | 10 | 12 | 3 | 6 |
| Non-S&E ¹ | 31 | 38 | 41 | 34 | 50 | 37 | 33 | 27 | 32 | 18 |
| Education | 10 | 17 | 22 | 18 | 26 | 19 | 17 | 12 | 16 | 8 |
| Health | 1 | 2 | 1 | 2 | 1 | 0 | 1 | 2 | 0 | 1 |
| Humanities ¹ | 12 | 10 | 10 | 8 | 14 | 11 | 11 | 9 | 12 | 7 |
| Professional/other/unknown | 8 | 9 | 8 | 6 | 9 | 7 | 4 | 4 | 4 | 2 |
| Asian/Pacific Islander | | | | | | | | | | |
| Grand total, all fields | 582 | 662 | 603 | 742 | 641 | 764 | 740 | 773 | 784 | 767 |
| Science and engineering ¹ | 487 | 566 | 505 | 633 | 523 | 629 | 598 | 623 | 646 | 619 |
| Engineering | 169 | 202 | 220 | 244 | 192 | 222 | 184 | 206 | 200 | 161 |
| Chemical | 20 | 16 | 17 | 14 | 27 | 23 | 29 | 24 | 37 | 29 |
| Civil | 7 | 13 | 11 | 10 | 13 | 19 | 12 | 10 | 11 | 8 |
| Electrical | 85 | 80 | 95 | 112 | 68 | 80 | 65 | 69 | 70 | 60 |
| Mechanical | 23 | 33 | 36 | 42 | 29 | 37 | 30 | 44 | 25 | 20 |
| Other engineering | 34 | 60 | 61 | 66 | 55 | 63 | 48 | 59 | 57 | 44 |
| Sciences ¹ | 318 | 364 | 285 | 389 | 331 | 407 | 414 | 417 | 446 | 458 |
| Agricultural sciences | 12 | 5 | 6 | 11 | 5 | 10 | 10 | 2 | 6 | 5 |
| Biological sciences | 114 | 125 | 108 | 132 | 131 | 166 | 172 | 199 | 204 | 220 |
| Computer sciences | 28 | 34 | 28 | 31 | 29 | 34 | 33 | 24 | 37 | 38 |
| Earth, atmospheric, and ocean sciences | 6 | 7 | 5 | 12 | 4 | 11 | 5 | 11 | 3 | 6 |
| Mathematics | 14 | 18 | 15 | 27 | 12 | 23 | 34 | 22 | 15 | 21 |
| Physical sciences | 87 | 98 | 72 | 106 | 84 | 82 | 64 | 83 | 93 | 70 |
| Astronomy | 4 | 3 | 3 | 6 | 5 | 2 | 6 | 6 | 9 | 5 |
| Chemistry | 43 | 51 | 32 | 51 | 49 | 53 | 22 | 38 | 52 | 39 |
| Physics | 39 | 44 | 37 | 49 | 30 | 27 | 36 | 39 | 32 | 26 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 20 | 30 | 20 | 21 | 23 | 31 | 39 | 24 | 40 | 40 |
| Social sciences ¹ | 37 | 47 | 31 | 49 | 43 | 50 | 57 | 52 | 48 | 58 |
| Non-S&E ¹ | 95 | 96 | 98 | 109 | 118 | 135 | 142 | 150 | 138 | 148 |
| Education | 27 | 27 | 29 | 25 | 36 | 41 | 42 | 32 | 37 | 35 |
| Health | 15 | 7 | 16 | 15 | 14 | 16 | 18 | 23 | 12 | 29 |
| Humanities ¹ | 28 | 28 | 26 | 41 | 37 | 41 | 44 | 53 | 63 | 48 |
| Professional/other/unknown | 25 | 34 | 27 | 28 | 31 | 37 | 38 | 42 | 26 | 36 |
| Black | | | | | | | | | | |
| Grand total, all fields | 410 | 487 | 531 | 528 | 524 | 609 | 560 | 591 | 611 | 596 |
| Science and engineering ¹ | 190 | 216 | 251 | 261 | 238 | 294 | 270 | 273 | 279 | 253 |
| Engineering | 30 | 40 | 40 | 61 | 52 | 62 | 50 | 57 | 50 | 52 |
| Chemical | 2 | 1 | 5 | 6 | 2 | 5 | 3 | 6 | 5 | 6 |
| Civil | 6 | 4 | 5 | 9 | 5 | 3 | 4 | 7 | 6 | 4 |
| Electrical | 11 | 16 | 12 | 24 | 18 | 21 | 17 | 19 | 11 | 16 |

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Mechanical | 3 | 7 | 6 | 9 | 12 | 9 | 12 | 16 | 12 | 8 |
| Other engineering | 8 | 12 | 12 | 13 | 15 | 24 | 14 | 9 | 16 | 18 |
| Sciences ¹ | 160 | 176 | 211 | 200 | 186 | 232 | 220 | 216 | 229 | 201 |
| Agricultural sciences | 7 | 4 | 14 | 9 | 7 | 10 | 3 | 4 | 3 | 7 |
| Biological sciences | 23 | 51 | 46 | 44 | 34 | 47 | 40 | 43 | 51 | 38 |
| Computer sciences | 5 | 5 | 9 | 3 | 4 | 8 | 8 | 3 | 10 | 12 |
| Earth, atmospheric, and ocean sciences | 2 | 2 | 1 | 3 | 5 | 6 | 3 | 3 | 5 | 9 |
| Mathematics | 6 | 3 | 6 | 4 | 5 | 4 | 7 | 10 | 5 | 10 |
| Physical sciences | 21 | 19 | 33 | 35 | 25 | 30 | 34 | 27 | 35 | 31 |
| Astronomy | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| Chemistry | 15 | 11 | 24 | 23 | 17 | 27 | 20 | 18 | 19 | 23 |
| Physics | 5 | 7 | 9 | 11 | 7 | 3 | 14 | 8 | 16 | 7 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 40 | 37 | 38 | 37 | 38 | 36 | 42 | 48 | 39 | 39 |
| Social sciences ¹ | 56 | 55 | 64 | 65 | 68 | 91 | 83 | 78 | 81 | 55 |
| Non-S&E ¹ | 220 | 271 | 280 | 267 | 286 | 315 | 290 | 318 | 332 | 343 |
| Education | 132 | 176 | 184 | 155 | 176 | 185 | 175 | 196 | 200 | 223 |
| Health | 11 | 14 | 10 | 12 | 11 | 8 | 11 | 9 | 12 | 15 |
| Humanities ¹ | 42 | 43 | 47 | 55 | 62 | 61 | 61 | 61 | 67 | 54 |
| Professional/other/unknown | 35 | 38 | 39 | 45 | 37 | 61 | 43 | 52 | 53 | 51 |
| Hispanic, total ² | | | | | | | | | | |
| Grand total, all fields | 438 | 463 | 480 | 543 | 610 | 510 | 546 | 498 | 540 | 590 |
| Science and engineering ¹ | 262 | 284 | 297 | 338 | 381 | 316 | 337 | 286 | 312 | 332 |
| Engineering | 44 | 51 | 73 | 61 | 87 | 49 | 59 | 55 | 64 | 72 |
| Chemical | 5 | 10 | 10 | 4 | 10 | 2 | 10 | 1 | 9 | 11 |
| Civil | 5 | 6 | 2 | 9 | 12 | 5 | 7 | 6 | 7 | 7 |
| Electrical | 16 | 13 | 23 | 17 | 25 | 24 | 19 | 13 | 25 | 18 |
| Mechanical | 6 | 5 | 11 | 10 | 18 | 7 | 9 | 17 | 5 | 11 |
| Other engineering | 12 | 17 | 27 | 21 | 22 | 11 | 14 | 18 | 18 | 25 |
| Sciences ¹ | 218 | 233 | 224 | 277 | 294 | 267 | 278 | 231 | 248 | 260 |
| Agricultural sciences | 9 | 9 | 6 | 11 | 16 | 6 | 10 | 8 | 10 | 11 |
| Biological sciences | 61 | 68 | 58 | 74 | 79 | 86 | 73 | 77 | 62 | 89 |
| Computer sciences | 5 | 2 | 7 | 13 | 12 | 9 | 9 | 3 | 11 | 5 |
| Earth, atmospheric, and ocean sciences | 5 | 4 | 9 | 11 | 10 | 15 | 15 | 5 | 13 | 6 |
| Mathematics | 9 | 9 | 9 | 12 | 18 | 9 | 7 | 9 | 8 | 9 |
| Physical sciences | 58 | 42 | 42 | 46 | 39 | 35 | 50 | 41 | 37 | 42 |
| Astronomy | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 6 | 2 | 2 |
| Chemistry | 36 | 24 | 26 | 26 | 25 | 21 | 29 | 24 | 19 | 23 |
| Physics | 20 | 17 | 15 | 18 | 12 | 13 | 19 | 11 | 16 | 17 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 42 | 44 | 51 | 60 | 54 | 53 | 58 | 41 | 54 | 48 |
| Social sciences ¹ | 29 | 55 | 42 | 50 | 66 | 54 | 56 | 47 | 53 | 50 |
| Non-S&E ¹ | 176 | 179 | 183 | 205 | 229 | 194 | 209 | 212 | 228 | 258 |
| Education | 76 | 82 | 83 | 85 | 109 | 89 | 97 | 88 | 98 | 115 |

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Health | 3 | 15 | 11 | 7 | 12 | 11 | 10 | 5 | 8 | 9 |
| Humanities ¹ | 67 | 60 | 65 | 90 | 83 | 75 | 82 | 86 | 101 | 112 |
| Professional/other/unknown | 30 | 22 | 24 | 23 | 25 | 19 | 20 | 33 | 21 | 22 |
| Puerto Rican | | | | | | | | | | |
| Grand total, all fields | 123 | 120 | 114 | 153 | 128 | 141 | 128 | 122 | 149 | 126 |
| Science and engineering ¹ | 72 | 74 | 74 | 98 | 69 | 88 | 77 | 68 | 92 | 75 |
| Engineering | 10 | 11 | 17 | 19 | 16 | 15 | 16 | 9 | 15 | 17 |
| Chemical | 2 | 3 | 2 | 1 | 3 | 1 | 3 | 0 | 3 | 4 |
| Civil | 1 | 1 | 1 | 5 | 1 | 1 | 2 | 2 | 1 | 3 |
| Electrical | 3 | 3 | 4 | 3 | 3 | 9 | 6 | 2 | 6 | 4 |
| Mechanical | 1 | 1 | 3 | 6 | 5 | 2 | 2 | 1 | 1 | 1 |
| Other engineering | 3 | 3 | 7 | 4 | 4 | 2 | 3 | 4 | 4 | 5 |
| Sciences ¹ | 62 | 63 | 57 | 79 | 53 | 73 | 61 | 59 | 77 | 58 |
| Agricultural sciences | 2 | 3 | 3 | 3 | 2 | 0 | 3 | 2 | 5 | 0 |
| Biological sciences | 14 | 21 | 14 | 20 | 20 | 24 | 11 | 18 | 18 | 21 |
| Computer sciences | 4 | 0 | 4 | 6 | 1 | 5 | 4 | 1 | 4 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 1 | 3 | 4 | 2 | 4 | 5 | 1 | 4 | 4 |
| Mathematics | 1 | 0 | 3 | 3 | 4 | 2 | 1 | 2 | 3 | 1 |
| Physical sciences | 19 | 12 | 8 | 18 | 6 | 13 | 10 | 10 | 16 | 11 |
| Astronomy | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Chemistry | 13 | 9 | 6 | 11 | 4 | 9 | 9 | 8 | 7 | 9 |
| Physics | 6 | 3 | 2 | 7 | 1 | 4 | 1 | 2 | 8 | 2 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 13 | 13 | 15 | 20 | 12 | 16 | 14 | 9 | 14 | 10 |
| Social sciences ¹ | 9 | 13 | 7 | 5 | 6 | 9 | 13 | 16 | 13 | 9 |
| Non-S&E ¹ | 51 | 46 | 40 | 55 | 59 | 53 | 51 | 54 | 57 | 51 |
| Education | 23 | 19 | 17 | 21 | 28 | 24 | 24 | 26 | 26 | 17 |
| Health | 2 | 7 | 2 | 3 | 3 | 5 | 3 | 2 | 2 | 0 |
| Humanities ¹ | 16 | 14 | 16 | 26 | 20 | 14 | 19 | 18 | 26 | 29 |
| Professional/other/unknown | 10 | 6 | 5 | 5 | 8 | 10 | 5 | 8 | 3 | 5 |
| Mexican American | | | | | | | | | | |
| Grand total, all fields | 150 | 148 | 159 | 155 | 211 | 153 | 196 | 189 | 172 | 196 |
| Science and engineering ¹ | 80 | 80 | 89 | 87 | 130 | 83 | 120 | 96 | 82 | 100 |
| Engineering | 12 | 13 | 23 | 11 | 25 | 7 | 23 | 13 | 10 | 10 |
| Chemical | 1 | 2 | 3 | 2 | 1 | 0 | 3 | 0 | 1 | 1 |
| Civil | 1 | 3 | 0 | 1 | 4 | 1 | 4 | 0 | 1 | 0 |
| Electrical | 4 | 3 | 8 | 2 | 6 | 2 | 4 | 6 | 4 | 2 |
| Mechanical | 2 | 1 | 4 | 2 | 3 | 1 | 6 | 4 | 1 | 2 |
| Other engineering | 4 | 4 | 8 | 4 | 11 | 3 | 6 | 3 | 3 | 5 |
| Sciences ¹ | 68 | 67 | 66 | 76 | 105 | 76 | 97 | 83 | 72 | 90 |
| Agricultural sciences | 4 | 2 | 1 | 2 | 6 | 3 | 3 | 2 | 2 | 6 |
| Biological sciences | 16 | 16 | 16 | 20 | 29 | 23 | 25 | 30 | 21 | 32 |
| Computer sciences | 0 | 1 | 1 | 2 | 3 | 0 | 2 | 2 | 3 | 1 |
| Earth, atmospheric, and ocean sciences | 4 | 2 | 3 | 2 | 4 | 4 | 4 | 2 | 5 | 0 |

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mathematics | 3 | 3 | 2 | 2 | 3 | 5 | 4 | 3 | 1 | 2 |
| Physical sciences | 17 | 9 | 17 | 12 | 18 | 10 | 19 | 13 | 10 | 14 |
| Astronomy | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 0 |
| Chemistry | 14 | 6 | 12 | 7 | 12 | 5 | 14 | 4 | 4 | 10 |
| Physics | 2 | 3 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 4 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 17 | 14 | 18 | 20 | 18 | 14 | 22 | 17 | 15 | 16 |
| Social sciences ¹ | 7 | 20 | 8 | 16 | 24 | 17 | 18 | 14 | 15 | 19 |
| Non-S&E ¹ | 70 | 68 | 70 | 68 | 81 | 70 | 76 | 93 | 90 | 96 |
| Education | 37 | 40 | 37 | 41 | 45 | 35 | 45 | 50 | 49 | 56 |
| Health | 0 | 3 | 2 | 0 | 1 | 3 | 2 | 2 | 3 | 2 |
| Humanities ¹ | 22 | 21 | 21 | 21 | 30 | 27 | 22 | 28 | 32 | 32 |
| Professional/other/unknown | 11 | 4 | 10 | 6 | 5 | 5 | 7 | 13 | 6 | 6 |
| Other Hispanic | | | | | | | | | | |
| Grand total, all fields | 165 | 195 | 207 | 235 | 271 | 216 | 222 | 187 | 219 | 268 |
| Science and engineering ¹ | 110 | 130 | 134 | 153 | 182 | 145 | 140 | 122 | 138 | 157 |
| Engineering | 22 | 27 | 33 | 31 | 46 | 27 | 20 | 33 | 39 | 45 |
| Chemical | 2 | 5 | 5 | 1 | 6 | 1 | 4 | 1 | 5 | 6 |
| Civil | 3 | 2 | 1 | 3 | 7 | 3 | 1 | 4 | 5 | 4 |
| Electrical | 9 | 7 | 11 | 12 | 16 | 13 | 9 | 5 | 15 | 12 |
| Mechanical | 3 | 3 | 4 | 2 | 10 | 4 | 1 | 12 | 3 | 8 |
| Other engineering | 5 | 10 | 12 | 13 | 7 | 6 | 5 | 11 | 11 | 15 |
| Sciences ¹ | 88 | 103 | 101 | 122 | 136 | 118 | 120 | 89 | 99 | 112 |
| Agricultural sciences | 3 | 4 | 2 | 6 | 8 | 3 | 4 | 4 | 3 | 5 |
| Biological sciences | 31 | 31 | 28 | 34 | 30 | 39 | 37 | 29 | 23 | 36 |
| Computer sciences | 1 | 1 | 2 | 5 | 8 | 4 | 3 | 0 | 4 | 2 |
| Earth, atmospheric, and ocean sciences | 1 | 1 | 3 | 5 | 4 | 7 | 6 | 2 | 4 | 2 |
| Mathematics | 5 | 6 | 4 | 7 | 11 | 2 | 2 | 4 | 4 | 6 |
| Physical sciences | 22 | 21 | 17 | 16 | 15 | 12 | 21 | 18 | 11 | 17 |
| Astronomy | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 3 | 1 | 2 |
| Chemistry | 9 | 9 | 8 | 8 | 9 | 7 | 6 | 12 | 8 | 4 |
| Physics | 12 | 11 | 9 | 6 | 6 | 4 | 13 | 3 | 2 | 11 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Psychology | 12 | 17 | 18 | 20 | 24 | 23 | 22 | 15 | 25 | 22 |
| Social sciences ¹ | 13 | 22 | 27 | 29 | 36 | 28 | 25 | 17 | 25 | 22 |
| Non-S&E ¹ | 55 | 65 | 73 | 82 | 89 | 71 | 82 | 65 | 81 | 111 |
| Education | 16 | 23 | 29 | 23 | 36 | 30 | 28 | 12 | 23 | 42 |
| Health | 1 | 5 | 7 | 4 | 8 | 3 | 5 | 1 | 3 | 7 |
| Humanities ¹ | 29 | 25 | 28 | 43 | 33 | 34 | 41 | 40 | 43 | 51 |
| Professional/other/unknown | 9 | 12 | 9 | 12 | 12 | 4 | 8 | 12 | 12 | 11 |
| White | | | | | | | | | | |
| Grand total, all fields | 13,042 | 13,037 | 12,744 | 12,532 | 12,423 | 12,199 | 11,853 | 11,288 | 10,445 | 10,464 |
| Science and engineering ¹ | 8,354 | 8,322 | 8,290 | 8,212 | 8,169 | 7,918 | 7,574 | 7,183 | 6,614 | 6,653 |

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Engineering | 1,596 | 1,661 | 1,801 | 1,839 | 1,758 | 1,657 | 1,445 | 1,347 | 1,138 | 1,177 |
| Chemical | 201 | 186 | 198 | 221 | 212 | 233 | 202 | 204 | 166 | 153 |
| Civil | 137 | 145 | 155 | 168 | 156 | 175 | 149 | 128 | 132 | 148 |
| Electrical | 453 | 480 | 483 | 483 | 443 | 433 | 346 | 307 | 253 | 243 |
| Mechanical | 291 | 296 | 332 | 329 | 316 | 278 | 231 | 265 | 194 | 206 |
| Other engineering | 514 | 554 | 633 | 638 | 631 | 538 | 517 | 443 | 393 | 427 |
| Sciences ¹ | 6,758 | 6,661 | 6,489 | 6,373 | 6,411 | 6,261 | 6,129 | 5,836 | 5,476 | 5,476 |
| Agricultural sciences | 353 | 357 | 293 | 282 | 267 | 264 | 266 | 232 | 224 | 266 |
| Biological sciences | 1,700 | 1,721 | 1,707 | 1,717 | 1,756 | 1,663 | 1,734 | 1,724 | 1,681 | 1,574 |
| Computer sciences | 305 | 318 | 286 | 278 | 306 | 269 | 253 | 243 | 212 | 232 |
| Earth, atmospheric, and ocean sciences | 366 | 346 | 326 | 349 | 317 | 294 | 280 | 250 | 256 | 271 |
| Mathematics | 344 | 388 | 347 | 325 | 353 | 326 | 318 | 285 | 251 | 280 |
| Physical sciences | 1,556 | 1,422 | 1,418 | 1,403 | 1,404 | 1,376 | 1,216 | 1,186 | 1,073 | 1,097 |
| Astronomy | 75 | 91 | 98 | 107 | 91 | 83 | 85 | 74 | 68 | 76 |
| Chemistry | 843 | 733 | 737 | 748 | 766 | 773 | 644 | 652 | 637 | 675 |
| Physics | 627 | 587 | 576 | 538 | 539 | 515 | 475 | 449 | 363 | 333 |
| Other physical sciences | 11 | 11 | 7 | 10 | 8 | 5 | 12 | 11 | 5 | 13 |
| Psychology | 1,021 | 965 | 896 | 824 | 865 | 899 | 864 | 815 | 730 | 703 |
| Social sciences ¹ | 1,113 | 1,144 | 1,216 | 1,195 | 1,143 | 1,170 | 1,198 | 1,101 | 1,049 | 1,053 |
| Non-S&E ¹ | 4,688 | 4,715 | 4,454 | 4,320 | 4,254 | 4,281 | 4,279 | 4,105 | 3,831 | 3,811 |
| Education | 1,933 | 1,830 | 1,803 | 1,601 | 1,568 | 1,578 | 1,518 | 1,473 | 1,354 | 1,361 |
| Health | 250 | 221 | 207 | 214 | 223 | 245 | 262 | 266 | 275 | 258 |
| Humanities ¹ | 1,657 | 1,758 | 1,675 | 1,776 | 1,784 | 1,826 | 1,849 | 1,763 | 1,673 | 1,676 |
| Professional/other/unknown | 848 | 906 | 769 | 729 | 679 | 632 | 650 | 603 | 529 | 516 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

² Hispanic, total includes Puerto Rican, Mexican American, and other Hispanic.

NOTE: Persons with unknown race/ethnicity are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Grand total, all fields | 12,413 | 12,775 | 13,055 | 13,072 | 13,570 | 13,471 | 13,820 | 13,395 | 13,147 | 13,368 |
| Science and engineering ¹ | 5,703 | 5,889 | 6,057 | 6,215 | 6,494 | 6,470 | 6,623 | 6,377 | 6,195 | 6,294 |
| Engineering | 343 | 374 | 418 | 414 | 375 | 426 | 420 | 410 | 366 | 370 |
| Chemical | 57 | 70 | 83 | 61 | 64 | 65 | 91 | 82 | 73 | 68 |
| Civil | 48 | 36 | 37 | 45 | 50 | 54 | 42 | 59 | 49 | 63 |
| Electrical | 64 | 79 | 83 | 74 | 66 | 62 | 69 | 43 | 45 | 45 |
| Mechanical | 32 | 28 | 45 | 46 | 41 | 52 | 47 | 34 | 34 | 31 |
| Other engineering | 142 | 161 | 170 | 188 | 154 | 193 | 171 | 192 | 165 | 163 |
| Sciences ¹ | 5,360 | 5,515 | 5,639 | 5,801 | 6,119 | 6,044 | 6,203 | 5,967 | 5,829 | 5,924 |
| Agricultural sciences | 132 | 112 | 144 | 134 | 154 | 145 | 147 | 151 | 139 | 140 |
| Biological sciences | 1,492 | 1,487 | 1,585 | 1,637 | 1,681 | 1,649 | 1,807 | 1,784 | 1,734 | 1,760 |
| Computer sciences | 77 | 116 | 77 | 82 | 103 | 90 | 73 | 84 | 78 | 78 |
| Earth, atmospheric, and ocean sciences | 125 | 112 | 114 | 146 | 148 | 137 | 156 | 149 | 175 | 170 |
| Mathematics | 122 | 132 | 105 | 143 | 171 | 165 | 145 | 137 | 122 | 131 |
| Physical sciences | 453 | 519 | 467 | 472 | 512 | 471 | 482 | 467 | 491 | 501 |
| Astronomy | 20 | 21 | 31 | 25 | 23 | 24 | 32 | 27 | 22 | 29 |
| Chemistry | 345 | 409 | 333 | 351 | 393 | 362 | 375 | 365 | 385 | 366 |
| Physics | 86 | 87 | 101 | 92 | 89 | 79 | 69 | 73 | 78 | 98 |
| Other physical sciences | 2 | 2 | 2 | 4 | 7 | 6 | 6 | 2 | 6 | 8 |
| Psychology | 1,909 | 1,991 | 2,107 | 2,044 | 2,150 | 2,180 | 2,133 | 1,998 | 1,833 | 1,906 |
| Social sciences ¹ | 1,050 | 1,046 | 1,040 | 1,143 | 1,200 | 1,207 | 1,260 | 1,197 | 1,257 | 1,238 |
| Non-S&E ¹ | 6,710 | 6,886 | 6,998 | 6,857 | 7,076 | 7,001 | 7,197 | 7,018 | 6,952 | 7,074 |
| Education | 3,665 | 3,628 | 3,725 | 3,597 | 3,590 | 3,690 | 3,671 | 3,498 | 3,524 | 3,692 |
| Health | 678 | 675 | 685 | 704 | 799 | 687 | 811 | 776 | 809 | 837 |
| Humanities ¹ | 1,649 | 1,810 | 1,873 | 1,876 | 1,950 | 1,943 | 2,043 | 2,063 | 1,928 | 1,909 |
| Professional/other/unknown | 718 | 773 | 715 | 680 | 737 | 681 | 672 | 681 | 691 | 636 |
| American Indian/Alaskan Native | | | | | | | | | | |
| Grand total, all fields | 72 | 68 | 84 | 88 | 85 | 118 | 93 | 82 | 80 | 81 |
| Science and engineering ¹ | 24 | 26 | 34 | 34 | 42 | 55 | 45 | 32 | 32 | 37 |
| Engineering | 2 | 0 | 2 | 3 | 4 | 2 | 4 | 2 | 0 | 1 |
| Chemical | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 0 | 1 |
| Civil | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| Electrical | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mechanical | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Other engineering | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 |
| Sciences ¹ | 22 | 26 | 32 | 31 | 38 | 53 | 41 | 30 | 32 | 36 |
| Agricultural sciences | 0 | 0 | 4 | 0 | 2 | 0 | 1 | 0 | 0 | 1 |
| Biological sciences | 5 | 5 | 9 | 3 | 6 | 10 | 7 | 7 | 6 | 8 |
| Computer sciences | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Earth, atmospheric, and ocean sciences | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 0 | 1 |
| Mathematics | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 1 |
| Physical sciences | 1 | 3 | 1 | 0 | 1 | 3 | 2 | 2 | 0 | 1 |
| Astronomy | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Chemistry | 0 | 3 | 1 | 0 | 1 | 2 | 1 | 2 | 0 | 1 |

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|-------|-------|-------|-------|-------|
| Physics | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 7 | 8 | 9 | 12 | 18 | 23 | 19 | 12 | 8 | 14 |
| Social sciences ¹ | 8 | 9 | 7 | 14 | 8 | 13 | 10 | 8 | 17 | 10 |
| Non-S&E ¹ | 48 | 42 | 50 | 54 | 43 | 63 | 48 | 50 | 48 | 44 |
| Education | 27 | 24 | 38 | 33 | 24 | 39 | 34 | 30 | 30 | 31 |
| Health | 5 | 7 | 3 | 4 | 3 | 6 | 3 | 4 | 3 | 1 |
| Humanities ¹ | 8 | 8 | 8 | 11 | 7 | 10 | 9 | 12 | 8 | 8 |
| Professional/other/unknown | 8 | 3 | 1 | 6 | 9 | 8 | 2 | 4 | 7 | 4 |
| Asian/Pacific Islander | | | | | | | | | | |
| Grand total, all fields | 354 | 467 | 463 | 553 | 513 | 540 | 623 | 667 | 655 | 650 |
| Science and engineering ¹ | 241 | 318 | 316 | 366 | 346 | 359 | 393 | 443 | 432 | 411 |
| Engineering | 31 | 52 | 51 | 46 | 51 | 41 | 56 | 56 | 50 | 45 |
| Chemical | 7 | 11 | 10 | 3 | 9 | 9 | 14 | 13 | 12 | 8 |
| Civil | 0 | 2 | 6 | 3 | 3 | 1 | 6 | 5 | 3 | 2 |
| Electrical | 11 | 12 | 14 | 16 | 18 | 12 | 14 | 10 | 11 | 16 |
| Mechanical | 5 | 4 | 4 | 8 | 6 | 5 | 9 | 5 | 7 | 6 |
| Other engineering | 8 | 23 | 17 | 16 | 15 | 14 | 13 | 23 | 17 | 13 |
| Sciences ¹ | 210 | 266 | 265 | 320 | 295 | 318 | 337 | 387 | 382 | 366 |
| Agricultural sciences | 2 | 5 | 6 | 5 | 1 | 11 | 3 | 5 | 3 | 2 |
| Biological sciences | 79 | 100 | 125 | 123 | 118 | 122 | 146 | 170 | 188 | 169 |
| Computer sciences | 4 | 8 | 9 | 11 | 10 | 9 | 8 | 10 | 13 | 7 |
| Earth, atmospheric, and ocean sciences | 1 | 1 | 3 | 4 | 3 | 4 | 4 | 4 | 8 | 4 |
| Mathematics | 4 | 6 | 8 | 6 | 13 | 6 | 10 | 8 | 5 | 17 |
| Physical sciences | 33 | 48 | 33 | 44 | 33 | 41 | 38 | 42 | 33 | 42 |
| Astronomy | 0 | 1 | 2 | 0 | 1 | 0 | 2 | 0 | 1 | 3 |
| Chemistry | 26 | 39 | 23 | 30 | 22 | 35 | 27 | 35 | 26 | 26 |
| Physics | 7 | 8 | 8 | 14 | 10 | 6 | 8 | 7 | 6 | 12 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Psychology | 60 | 53 | 55 | 80 | 69 | 79 | 82 | 84 | 73 | 70 |
| Social sciences ¹ | 27 | 45 | 26 | 47 | 48 | 46 | 46 | 64 | 59 | 55 |
| Non-S&E ¹ | 113 | 149 | 147 | 187 | 167 | 181 | 230 | 224 | 223 | 239 |
| Education | 53 | 57 | 58 | 75 | 62 | 59 | 82 | 78 | 76 | 85 |
| Health | 20 | 15 | 21 | 27 | 18 | 29 | 37 | 50 | 47 | 45 |
| Humanities ¹ | 28 | 56 | 52 | 63 | 64 | 71 | 80 | 70 | 78 | 84 |
| Professional/other/unknown | 12 | 21 | 16 | 22 | 23 | 22 | 31 | 26 | 22 | 25 |
| Black | | | | | | | | | | |
| Grand total, all fields | 689 | 806 | 774 | 807 | 961 | 1,020 | 1,069 | 1,023 | 1,051 | 1,110 |
| Science and engineering ¹ | 199 | 245 | 236 | 269 | 336 | 343 | 376 | 358 | 355 | 359 |
| Engineering | 13 | 13 | 19 | 22 | 21 | 23 | 24 | 25 | 26 | 17 |
| Chemical | 4 | 1 | 5 | 6 | 1 | 4 | 5 | 10 | 5 | 2 |
| Civil | 2 | 3 | 1 | 0 | 2 | 2 | 1 | 0 | 4 | 2 |
| Electrical | 3 | 4 | 5 | 3 | 4 | 5 | 2 | 1 | 4 | 3 |

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Mechanical | 1 | 0 | 3 | 1 | 0 | 1 | 5 | 1 | 4 | 1 |
| Other engineering | 3 | 5 | 5 | 12 | 14 | 11 | 11 | 13 | 9 | 9 |
| Sciences ¹ | 186 | 232 | 217 | 247 | 315 | 320 | 352 | 333 | 329 | 342 |
| Agricultural sciences | 3 | 5 | 0 | 5 | 1 | 6 | 5 | 5 | 5 | 5 |
| Biological sciences | 43 | 39 | 36 | 57 | 67 | 62 | 70 | 81 | 63 | 62 |
| Computer sciences | 2 | 4 | 3 | 1 | 8 | 8 | 5 | 10 | 7 | 5 |
| Earth, atmospheric, and ocean sciences | 1 | 0 | 2 | 1 | 2 | 5 | 4 | 2 | 0 | 6 |
| Mathematics | 3 | 1 | 2 | 2 | 7 | 6 | 7 | 7 | 8 | 4 |
| Physical sciences | 12 | 17 | 12 | 10 | 26 | 24 | 18 | 19 | 27 | 19 |
| Astronomy | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 1 | 0 |
| Chemistry | 8 | 16 | 10 | 8 | 23 | 19 | 16 | 18 | 22 | 12 |
| Physics | 4 | 1 | 2 | 1 | 3 | 3 | 1 | 1 | 4 | 5 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Psychology | 72 | 106 | 106 | 105 | 114 | 132 | 142 | 121 | 124 | 123 |
| Social sciences ¹ | 50 | 60 | 56 | 66 | 90 | 77 | 101 | 88 | 95 | 118 |
| Non-S&E ¹ | 490 | 561 | 538 | 538 | 625 | 677 | 693 | 665 | 696 | 751 |
| Education | 354 | 403 | 396 | 372 | 452 | 476 | 499 | 453 | 476 | 518 |
| Health | 30 | 41 | 32 | 39 | 49 | 43 | 56 | 51 | 55 | 60 |
| Humanities ¹ | 52 | 54 | 58 | 70 | 69 | 89 | 84 | 97 | 86 | 88 |
| Professional/other/unknown | 54 | 63 | 52 | 57 | 55 | 69 | 54 | 64 | 79 | 85 |
| Hispanic, total ² | | | | | | | | | | |
| Grand total, all fields | 446 | 459 | 477 | 520 | 594 | 674 | 633 | 629 | 697 | 680 |
| Science and engineering ¹ | 201 | 204 | 237 | 236 | 302 | 330 | 312 | 298 | 341 | 322 |
| Engineering | 5 | 10 | 14 | 21 | 13 | 22 | 10 | 18 | 23 | 18 |
| Chemical | 0 | 2 | 5 | 2 | 0 | 3 | 3 | 4 | 7 | 3 |
| Civil | 2 | 1 | 0 | 1 | 3 | 6 | 1 | 2 | 0 | 4 |
| Electrical | 0 | 1 | 4 | 6 | 2 | 4 | 0 | 2 | 3 | 3 |
| Mechanical | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 5 | 1 |
| Other engineering | 2 | 6 | 5 | 9 | 7 | 8 | 5 | 10 | 8 | 7 |
| Sciences ¹ | 196 | 194 | 223 | 215 | 289 | 308 | 302 | 280 | 318 | 304 |
| Agricultural sciences | 7 | 1 | 3 | 3 | 9 | 4 | 7 | 7 | 7 | 5 |
| Biological sciences | 50 | 36 | 51 | 57 | 71 | 69 | 81 | 72 | 99 | 68 |
| Computer sciences | 0 | 4 | 5 | 2 | 1 | 3 | 2 | 3 | 2 | 3 |
| Earth, atmospheric, and ocean sciences | 2 | 3 | 4 | 5 | 5 | 4 | 3 | 6 | 1 | 7 |
| Mathematics | 3 | 3 | 0 | 5 | 7 | 3 | 6 | 5 | 3 | 5 |
| Physical sciences | 17 | 19 | 9 | 12 | 10 | 21 | 22 | 20 | 19 | 19 |
| Astronomy | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| Chemistry | 13 | 14 | 6 | 10 | 9 | 20 | 20 | 15 | 16 | 15 |
| Physics | 4 | 3 | 3 | 1 | 1 | 1 | 2 | 4 | 2 | 3 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 86 | 94 | 116 | 101 | 143 | 152 | 144 | 119 | 126 | 113 |
| Social sciences ¹ | 31 | 34 | 35 | 30 | 43 | 52 | 37 | 48 | 61 | 84 |
| Non-S&E ¹ | 245 | 255 | 240 | 284 | 292 | 344 | 321 | 331 | 356 | 358 |
| Education | 150 | 153 | 122 | 162 | 175 | 200 | 177 | 179 | 208 | 212 |

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|------|------|------|------|------|------|------|------|------|------|
| Health | 17 | 14 | 20 | 22 | 25 | 28 | 23 | 19 | 21 | 29 |
| Humanities ¹ | 62 | 63 | 73 | 83 | 73 | 85 | 94 | 108 | 104 | 90 |
| Professional/other/unknown | 16 | 25 | 25 | 17 | 19 | 31 | 27 | 25 | 23 | 27 |
| Puerto Rican | | | | | | | | | | |
| Grand total, all fields | 134 | 149 | 138 | 160 | 180 | 194 | 197 | 181 | 196 | 133 |
| Science and engineering ¹ | 59 | 63 | 68 | 73 | 104 | 96 | 105 | 87 | 104 | 73 |
| Engineering | 0 | 2 | 5 | 4 | 1 | 8 | 4 | 4 | 11 | 2 |
| Chemical | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 2 | 5 | 0 |
| Civil | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Electrical | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| Mechanical | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Other engineering | 0 | 1 | 3 | 3 | 1 | 4 | 2 | 2 | 3 | 0 |
| Sciences ¹ | 59 | 61 | 63 | 69 | 103 | 88 | 101 | 83 | 93 | 71 |
| Agricultural sciences | 3 | 0 | 1 | 1 | 1 | 1 | 3 | 2 | 3 | 3 |
| Biological sciences | 14 | 9 | 18 | 16 | 23 | 23 | 22 | 30 | 38 | 14 |
| Computer sciences | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Earth, atmospheric, and ocean sciences | 0 | 1 | 0 | 2 | 3 | 1 | 0 | 2 | 0 | 0 |
| Mathematics | 0 | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 2 |
| Physical sciences | 7 | 9 | 4 | 2 | 5 | 9 | 10 | 4 | 4 | 6 |
| Astronomy | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Chemistry | 6 | 8 | 3 | 2 | 5 | 9 | 10 | 3 | 4 | 5 |
| Physics | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 30 | 31 | 33 | 36 | 59 | 41 | 59 | 36 | 36 | 37 |
| Social sciences ¹ | 5 | 10 | 6 | 11 | 8 | 12 | 6 | 9 | 12 | 9 |
| Non-S&E ¹ | 75 | 86 | 70 | 87 | 76 | 98 | 92 | 94 | 92 | 60 |
| Education | 45 | 50 | 35 | 51 | 49 | 66 | 51 | 62 | 53 | 35 |
| Health | 4 | 5 | 5 | 7 | 4 | 6 | 6 | 3 | 7 | 4 |
| Humanities ¹ | 22 | 16 | 22 | 23 | 17 | 17 | 25 | 23 | 25 | 11 |
| Professional/other/unknown | 4 | 15 | 8 | 6 | 6 | 9 | 10 | 6 | 7 | 10 |
| Mexican American | | | | | | | | | | |
| Grand total, all fields | 140 | 128 | 123 | 142 | 198 | 186 | 204 | 190 | 228 | 241 |
| Science and engineering ¹ | 54 | 59 | 53 | 67 | 83 | 72 | 86 | 73 | 103 | 100 |
| Engineering | 2 | 1 | 3 | 7 | 3 | 4 | 3 | 4 | 6 | 4 |
| Chemical | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 1 |
| Civil | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 0 |
| Electrical | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 2 | 0 | 1 |
| Mechanical | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Other engineering | 2 | 0 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 |
| Sciences ¹ | 52 | 58 | 50 | 60 | 80 | 68 | 83 | 69 | 97 | 96 |
| Agricultural sciences | 1 | 1 | 1 | 0 | 3 | 0 | 2 | 1 | 3 | 1 |
| Biological sciences | 13 | 9 | 12 | 20 | 20 | 16 | 19 | 17 | 31 | 18 |
| Computer sciences | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Mathematics | 1 | 2 | 0 | 1 | 3 | 2 | 4 | 3 | 1 | 2 |
| Physical sciences | 3 | 4 | 3 | 2 | 3 | 5 | 3 | 2 | 6 | 10 |
| Astronomy | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Chemistry | 2 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 3 | 9 |
| Physics | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 21 | 33 | 20 | 29 | 33 | 26 | 38 | 31 | 36 | 32 |
| Social sciences ¹ | 13 | 6 | 12 | 7 | 17 | 18 | 15 | 14 | 19 | 31 |
| Non-S&E ¹ | 86 | 69 | 70 | 75 | 115 | 114 | 118 | 117 | 125 | 141 |
| Education | 63 | 51 | 41 | 48 | 71 | 68 | 68 | 66 | 88 | 93 |
| Health | 3 | 5 | 4 | 7 | 14 | 11 | 9 | 5 | 4 | 11 |
| Humanities ¹ | 17 | 12 | 18 | 16 | 24 | 22 | 35 | 37 | 28 | 26 |
| Professional/other/unknown | 3 | 1 | 7 | 4 | 6 | 13 | 6 | 9 | 5 | 11 |
| Other Hispanic | | | | | | | | | | |
| Grand total, all fields | 172 | 182 | 216 | 218 | 216 | 294 | 232 | 258 | 273 | 306 |
| Science and engineering ¹ | 88 | 82 | 116 | 96 | 115 | 162 | 121 | 138 | 134 | 149 |
| Engineering | 3 | 7 | 6 | 10 | 9 | 10 | 3 | 10 | 6 | 12 |
| Chemical | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 2 | 0 | 2 |
| Civil | 2 | 1 | 0 | 0 | 2 | 3 | 1 | 1 | 0 | 3 |
| Electrical | 0 | 1 | 3 | 2 | 2 | 1 | 0 | 0 | 2 | 2 |
| Mechanical | 1 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 1 | 0 |
| Other engineering | 0 | 5 | 1 | 4 | 4 | 3 | 1 | 7 | 3 | 5 |
| Sciences ¹ | 85 | 75 | 110 | 86 | 106 | 152 | 118 | 128 | 128 | 137 |
| Agricultural sciences | 3 | 0 | 1 | 2 | 5 | 3 | 2 | 4 | 1 | 1 |
| Biological sciences | 23 | 18 | 21 | 21 | 28 | 30 | 40 | 25 | 30 | 36 |
| Computer sciences | 0 | 2 | 4 | 2 | 0 | 2 | 1 | 3 | 2 | 1 |
| Earth, atmospheric, and ocean sciences | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 0 | 7 |
| Mathematics | 2 | 0 | 0 | 3 | 1 | 1 | 1 | 2 | 2 | 1 |
| Physical sciences | 7 | 6 | 2 | 8 | 2 | 7 | 9 | 14 | 9 | 3 |
| Astronomy | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Chemistry | 5 | 4 | 1 | 6 | 1 | 7 | 7 | 10 | 9 | 1 |
| Physics | 2 | 2 | 1 | 1 | 1 | 0 | 2 | 3 | 0 | 2 |
| Other physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 35 | 30 | 63 | 36 | 51 | 85 | 47 | 52 | 54 | 44 |
| Social sciences ¹ | 13 | 18 | 17 | 12 | 18 | 22 | 16 | 25 | 30 | 44 |
| Non-S&E ¹ | 84 | 100 | 100 | 122 | 101 | 132 | 111 | 120 | 139 | 157 |
| Education | 42 | 52 | 46 | 63 | 55 | 66 | 58 | 51 | 67 | 84 |
| Health | 10 | 4 | 11 | 8 | 7 | 11 | 8 | 11 | 10 | 14 |
| Humanities ¹ | 23 | 35 | 33 | 44 | 32 | 46 | 34 | 48 | 51 | 53 |
| Professional/other/unknown | 9 | 9 | 10 | 7 | 7 | 9 | 11 | 10 | 11 | 6 |
| White | | | | | | | | | | |
| Grand total, all fields | 10,751 | 10,854 | 11,103 | 10,647 | 11,030 | 10,893 | 11,115 | 10,642 | 10,309 | 10,354 |
| Science and engineering ¹ | 4,996 | 5,038 | 5,159 | 5,080 | 5,278 | 5,275 | 5,347 | 5,068 | 4,872 | 4,922 |

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1994–2003

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| Field of study | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Engineering | 291 | 297 | 325 | 312 | 279 | 332 | 319 | 297 | 256 | 276 |
| Chemical | 45 | 56 | 63 | 48 | 50 | 46 | 66 | 55 | 48 | 50 |
| Civil | 44 | 30 | 29 | 38 | 41 | 44 | 32 | 48 | 38 | 55 |
| Electrical | 50 | 60 | 59 | 46 | 42 | 39 | 51 | 30 | 27 | 20 |
| Mechanical | 25 | 24 | 37 | 32 | 32 | 44 | 31 | 26 | 18 | 22 |
| Other engineering | 127 | 127 | 137 | 148 | 114 | 159 | 139 | 138 | 125 | 129 |
| Sciences ¹ | 4,705 | 4,741 | 4,834 | 4,768 | 4,999 | 4,943 | 5,028 | 4,771 | 4,616 | 4,646 |
| Agricultural sciences | 118 | 99 | 129 | 115 | 135 | 121 | 130 | 129 | 122 | 122 |
| Biological sciences | 1,303 | 1,299 | 1,343 | 1,352 | 1,383 | 1,354 | 1,462 | 1,415 | 1,345 | 1,396 |
| Computer sciences | 70 | 98 | 56 | 63 | 77 | 67 | 57 | 57 | 54 | 59 |
| Earth, atmospheric, and ocean sciences | 120 | 106 | 104 | 126 | 134 | 118 | 137 | 135 | 156 | 144 |
| Mathematics | 111 | 119 | 93 | 124 | 138 | 148 | 119 | 111 | 101 | 99 |
| Physical sciences | 387 | 425 | 405 | 391 | 431 | 374 | 395 | 371 | 404 | 398 |
| Astronomy | 19 | 18 | 29 | 22 | 22 | 21 | 26 | 25 | 18 | 23 |
| Chemistry | 296 | 332 | 290 | 292 | 329 | 281 | 308 | 284 | 315 | 297 |
| Physics | 70 | 73 | 84 | 73 | 73 | 67 | 56 | 60 | 65 | 74 |
| Other physical sciences | 2 | 2 | 2 | 4 | 7 | 5 | 5 | 2 | 6 | 4 |
| Psychology | 1,672 | 1,709 | 1,805 | 1,657 | 1,728 | 1,768 | 1,706 | 1,601 | 1,458 | 1,512 |
| Social sciences ¹ | 924 | 886 | 899 | 940 | 973 | 993 | 1,022 | 952 | 976 | 916 |
| Non-S&E ¹ | 5,755 | 5,816 | 5,944 | 5,567 | 5,752 | 5,618 | 5,768 | 5,574 | 5,437 | 5,432 |
| Education | 3,051 | 2,966 | 3,076 | 2,813 | 2,781 | 2,860 | 2,810 | 2,687 | 2,644 | 2,730 |
| Health | 596 | 585 | 598 | 599 | 683 | 571 | 679 | 633 | 669 | 677 |
| Humanities ¹ | 1,485 | 1,609 | 1,654 | 1,590 | 1,675 | 1,641 | 1,732 | 1,709 | 1,586 | 1,552 |
| Professional/other/unknown | 623 | 656 | 616 | 565 | 613 | 546 | 547 | 545 | 538 | 473 |

¹ Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

² Hispanic, total includes Puerto Rican, Mexican American, and other Hispanic.

NOTE: Persons with unknown race/ethnicity are included in the total but are not shown separately.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| Grand total, all visa types | 10,556 | 10,516 | 10,844 | 9,790 | 9,795 | 8,891 | 9,069 | 9,237 | 8,854 | 9,486 |
| North America | 548 | 508 | 538 | 498 | 576 | 557 | 614 | 599 | 575 | 637 |
| Canada | 275 | 274 | 278 | 263 | 288 | 289 | 294 | 307 | 314 | 325 |
| Caribbean | 61 | 61 | 51 | 49 | 65 | 54 | 54 | 40 | 44 | 44 |
| Central America | 70 | 43 | 47 | 38 | 44 | 42 | 57 | 45 | 35 | 49 |
| Mexico | 142 | 130 | 162 | 148 | 179 | 172 | 209 | 207 | 182 | 219 |
| South America | 409 | 361 | 462 | 414 | 436 | 444 | 447 | 416 | 413 | 459 |
| Argentina | 56 | 50 | 68 | 69 | 71 | 56 | 78 | 69 | 66 | 75 |
| Brazil | 158 | 137 | 207 | 151 | 164 | 164 | 131 | 143 | 126 | 107 |
| Chile | 42 | 38 | 37 | 31 | 26 | 33 | 42 | 25 | 40 | 66 |
| Colombia | 48 | 45 | 42 | 40 | 32 | 52 | 56 | 59 | 55 | 83 |
| South America, other | 105 | 91 | 108 | 123 | 143 | 139 | 140 | 120 | 126 | 128 |
| Europe | 1,154 | 1,257 | 1,269 | 1,314 | 1,532 | 1,486 | 1,507 | 1,651 | 1,552 | 1,606 |
| Belgium | 21 | 32 | 25 | 18 | 17 | 21 | 21 | 24 | 16 | 23 |
| England, United Kingdom | 128 | 132 | 117 | 92 | 124 | 142 | 100 | 138 | 134 | 110 |
| France | 96 | 82 | 69 | 74 | 77 | 79 | 83 | 85 | 92 | 87 |
| Germany | 197 | 208 | 170 | 181 | 210 | 183 | 229 | 220 | 197 | 189 |
| Europe, other | 712 | 803 | 888 | 949 | 1,104 | 1,061 | 1,074 | 1,184 | 1,113 | 1,197 |
| East Asia | 5,520 | 5,519 | 5,679 | 4,810 | 4,703 | 4,163 | 4,299 | 4,352 | 4,287 | 4,553 |
| China, People's Republic of | 2,561 | 2,781 | 3,022 | 2,395 | 2,510 | 2,233 | 2,378 | 2,418 | 2,401 | 2,501 |
| Hong Kong | 96 | 90 | 110 | 86 | 91 | 54 | 46 | 46 | 42 | 32 |
| Japan | 183 | 155 | 169 | 155 | 156 | 158 | 201 | 150 | 158 | 202 |
| Korea | 1,155 | 1,009 | 985 | 901 | 823 | 760 | 753 | 867 | 855 | 961 |
| Taiwan | 1,310 | 1,249 | 1,162 | 1,093 | 913 | 746 | 676 | 541 | 469 | 442 |
| Thailand | 97 | 114 | 119 | 97 | 123 | 134 | 153 | 236 | 264 | 311 |
| East Asia, other | 118 | 121 | 112 | 83 | 87 | 78 | 92 | 94 | 98 | 104 |
| West Asia | 2,083 | 2,192 | 2,172 | 2,044 | 1,844 | 1,647 | 1,595 | 1,647 | 1,484 | 1,665 |
| Iran | 174 | 173 | 150 | 113 | 93 | 92 | 80 | 100 | 57 | 68 |
| Iraq | 22 | 14 | 9 | 7 | 5 | 5 | 2 | 7 | 3 | 0 |
| Israel | 110 | 86 | 84 | 63 | 58 | 47 | 46 | 49 | 50 | 66 |
| Lebanon | 73 | 56 | 56 | 30 | 38 | 25 | 28 | 28 | 31 | 32 |
| Saudi Arabia | 77 | 71 | 80 | 70 | 46 | 58 | 56 | 52 | 71 | 65 |
| Turkey | 145 | 167 | 151 | 170 | 172 | 192 | 275 | 309 | 342 | 374 |
| West Asia, other | 1,482 | 1,625 | 1,642 | 1,591 | 1,432 | 1,228 | 1,108 | 1,102 | 930 | 1,060 |
| Pacific/Australasia | 232 | 231 | 237 | 209 | 206 | 161 | 180 | 160 | 154 | 145 |
| Australia | 56 | 61 | 43 | 48 | 46 | 49 | 42 | 44 | 32 | 28 |
| Indonesia | 84 | 83 | 70 | 67 | 65 | 45 | 63 | 48 | 66 | 47 |
| Pacific/Australasia, other | 92 | 87 | 124 | 94 | 95 | 67 | 75 | 68 | 56 | 70 |
| Africa | 586 | 428 | 445 | 368 | 375 | 338 | 366 | 337 | 297 | 341 |
| Egypt | 104 | 78 | 90 | 77 | 92 | 63 | 83 | 75 | 96 | 110 |
| Nigeria | 60 | 53 | 39 | 25 | 34 | 35 | 23 | 20 | 13 | 13 |
| Africa, other | 422 | 297 | 316 | 266 | 249 | 240 | 260 | 242 | 188 | 218 |
| Country unknown | 24 | 20 | 42 | 133 | 123 | 95 | 61 | 75 | 92 | 80 |
| Engineering | 3,491 | 3,483 | 3,527 | 3,148 | 3,061 | 2,595 | 2,802 | 3,086 | 2,918 | 3,174 |
| North America | 90 | 82 | 97 | 85 | 99 | 111 | 118 | 108 | 97 | 116 |
| Canada | 36 | 41 | 45 | 44 | 37 | 51 | 50 | 45 | 37 | 34 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Caribbean | 14 | 7 | 8 | 13 | 17 | 13 | 8 | 8 | 9 | 2 |
| Central America | 10 | 8 | 7 | 3 | 6 | 5 | 6 | 9 | 4 | 12 |
| Mexico | 30 | 26 | 37 | 25 | 39 | 42 | 54 | 46 | 47 | 68 |
| South America | 111 | 89 | 118 | 96 | 105 | 99 | 112 | 96 | 92 | 82 |
| Argentina | 7 | 7 | 9 | 15 | 13 | 9 | 12 | 14 | 5 | 10 |
| Brazil | 49 | 46 | 65 | 44 | 51 | 43 | 37 | 37 | 33 | 16 |
| Chile | 8 | 8 | 8 | 1 | 2 | 6 | 9 | 7 | 8 | 12 |
| Colombia | 12 | 10 | 7 | 4 | 8 | 11 | 16 | 12 | 18 | 18 |
| South America, other | 35 | 18 | 29 | 32 | 31 | 30 | 38 | 26 | 28 | 26 |
| Europe | 258 | 297 | 237 | 248 | 305 | 276 | 297 | 335 | 301 | 313 |
| Belgium | 7 | 12 | 4 | 5 | 3 | 1 | 6 | 8 | 4 | 7 |
| England, United Kingdom | 14 | 20 | 10 | 12 | 12 | 14 | 11 | 11 | 14 | 12 |
| France | 32 | 24 | 25 | 12 | 23 | 23 | 23 | 24 | 25 | 23 |
| Germany | 29 | 37 | 16 | 28 | 29 | 38 | 46 | 48 | 45 | 22 |
| Europe, other | 176 | 204 | 182 | 191 | 238 | 200 | 211 | 244 | 213 | 249 |
| East Asia | 1,895 | 1,877 | 1,881 | 1,558 | 1,506 | 1,286 | 1,423 | 1,637 | 1,661 | 1,820 |
| China, People's Republic of | 663 | 782 | 825 | 666 | 702 | 597 | 721 | 882 | 893 | 979 |
| Hong Kong | 14 | 20 | 31 | 13 | 27 | 11 | 12 | 15 | 11 | 15 |
| Japan | 46 | 30 | 32 | 37 | 21 | 31 | 23 | 23 | 32 | 35 |
| Korea | 429 | 345 | 327 | 315 | 291 | 276 | 285 | 337 | 353 | 399 |
| Taiwan | 672 | 620 | 580 | 465 | 387 | 306 | 291 | 242 | 214 | 188 |
| Thailand | 34 | 38 | 43 | 41 | 53 | 52 | 60 | 114 | 131 | 169 |
| East Asia, other | 37 | 42 | 43 | 21 | 25 | 13 | 31 | 24 | 27 | 35 |
| West Asia | 910 | 966 | 999 | 971 | 838 | 679 | 675 | 741 | 596 | 673 |
| Iran | 92 | 85 | 68 | 61 | 44 | 42 | 38 | 62 | 31 | 41 |
| Iraq | 9 | 8 | 2 | 5 | 3 | 5 | 2 | 2 | 1 | 0 |
| Israel | 18 | 19 | 20 | 14 | 12 | 8 | 6 | 11 | 6 | 12 |
| Lebanon | 45 | 31 | 22 | 9 | 18 | 9 | 12 | 10 | 13 | 14 |
| Saudi Arabia | 28 | 25 | 40 | 31 | 18 | 26 | 17 | 29 | 25 | 23 |
| Turkey | 65 | 74 | 74 | 97 | 82 | 100 | 136 | 144 | 151 | 168 |
| West Asia, other | 653 | 724 | 773 | 754 | 661 | 489 | 464 | 483 | 369 | 415 |
| Pacific/Australasia | 50 | 44 | 38 | 47 | 49 | 24 | 44 | 40 | 39 | 35 |
| Australia | 11 | 7 | 6 | 8 | 4 | 8 | 4 | 10 | 1 | 5 |
| Indonesia | 28 | 29 | 15 | 23 | 29 | 13 | 27 | 23 | 29 | 22 |
| Pacific/Australasia, other | 11 | 8 | 17 | 16 | 16 | 3 | 13 | 7 | 9 | 8 |
| Africa | 168 | 122 | 144 | 111 | 115 | 98 | 112 | 102 | 98 | 107 |
| Egypt | 63 | 48 | 60 | 49 | 65 | 49 | 62 | 46 | 56 | 62 |
| Nigeria | 6 | 14 | 11 | 8 | 7 | 9 | 4 | 3 | 5 | 5 |
| Africa, other | 99 | 60 | 73 | 54 | 43 | 40 | 46 | 53 | 37 | 40 |
| Country unknown | 9 | 6 | 13 | 32 | 44 | 22 | 21 | 27 | 34 | 28 |
| Science | 7,065 | 7,033 | 7,317 | 6,642 | 6,734 | 6,296 | 6,267 | 6,151 | 5,936 | 6,312 |
| North America | 458 | 426 | 441 | 413 | 477 | 446 | 496 | 491 | 478 | 521 |
| Canada | 239 | 233 | 233 | 219 | 251 | 238 | 244 | 262 | 277 | 291 |
| Caribbean | 47 | 54 | 43 | 36 | 48 | 41 | 46 | 32 | 35 | 42 |
| Central America | 60 | 35 | 40 | 35 | 38 | 37 | 51 | 36 | 31 | 37 |
| Mexico | 112 | 104 | 125 | 123 | 140 | 130 | 155 | 161 | 135 | 151 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| South America | 298 | 272 | 344 | 318 | 331 | 345 | 335 | 320 | 321 | 377 |
| Argentina | 49 | 43 | 59 | 54 | 58 | 47 | 66 | 55 | 61 | 65 |
| Brazil | 109 | 91 | 142 | 107 | 113 | 121 | 94 | 106 | 93 | 91 |
| Chile | 34 | 30 | 29 | 30 | 24 | 27 | 33 | 18 | 32 | 54 |
| Colombia | 36 | 35 | 35 | 36 | 24 | 41 | 40 | 47 | 37 | 65 |
| South America, other | 70 | 73 | 79 | 91 | 112 | 109 | 102 | 94 | 98 | 102 |
| Europe | 896 | 960 | 1,032 | 1,066 | 1,227 | 1,210 | 1,210 | 1,316 | 1,251 | 1,293 |
| Belgium | 14 | 20 | 21 | 13 | 14 | 20 | 15 | 16 | 12 | 16 |
| England, United Kingdom | 114 | 112 | 107 | 80 | 112 | 128 | 89 | 127 | 120 | 98 |
| France | 64 | 58 | 44 | 62 | 54 | 56 | 60 | 61 | 67 | 64 |
| Germany | 168 | 171 | 154 | 153 | 181 | 145 | 183 | 172 | 152 | 167 |
| Europe, other | 536 | 599 | 706 | 758 | 866 | 861 | 863 | 940 | 900 | 948 |
| East Asia | 3,625 | 3,642 | 3,798 | 3,252 | 3,197 | 2,877 | 2,876 | 2,715 | 2,626 | 2,733 |
| China, People's Republic of | 1,898 | 1,999 | 2,197 | 1,729 | 1,808 | 1,636 | 1,657 | 1,536 | 1,508 | 1,522 |
| Hong Kong | 82 | 70 | 79 | 73 | 64 | 43 | 34 | 31 | 31 | 17 |
| Japan | 137 | 125 | 137 | 118 | 135 | 127 | 178 | 127 | 126 | 167 |
| Korea | 726 | 664 | 658 | 586 | 532 | 484 | 468 | 530 | 502 | 562 |
| Taiwan | 638 | 629 | 582 | 628 | 526 | 440 | 385 | 299 | 255 | 254 |
| Thailand | 63 | 76 | 76 | 56 | 70 | 82 | 93 | 122 | 133 | 142 |
| East Asia, other | 81 | 79 | 69 | 62 | 62 | 65 | 61 | 70 | 71 | 69 |
| West Asia | 1,173 | 1,226 | 1,173 | 1,073 | 1,006 | 968 | 920 | 906 | 888 | 992 |
| Iran | 82 | 88 | 82 | 52 | 49 | 50 | 42 | 38 | 26 | 27 |
| Iraq | 13 | 6 | 7 | 2 | 2 | 0 | 0 | 5 | 2 | 0 |
| Israel | 92 | 67 | 64 | 49 | 46 | 39 | 40 | 38 | 44 | 54 |
| Lebanon | 28 | 25 | 34 | 21 | 20 | 16 | 16 | 18 | 18 | 18 |
| Saudi Arabia | 49 | 46 | 40 | 39 | 28 | 32 | 39 | 23 | 46 | 42 |
| Turkey | 80 | 93 | 77 | 73 | 90 | 92 | 139 | 165 | 191 | 206 |
| West Asia, other | 829 | 901 | 869 | 837 | 771 | 739 | 644 | 619 | 561 | 645 |
| Pacific/Australasia | 182 | 187 | 199 | 162 | 157 | 137 | 136 | 120 | 115 | 110 |
| Australia | 45 | 54 | 37 | 40 | 42 | 41 | 38 | 34 | 31 | 23 |
| Indonesia | 56 | 54 | 55 | 44 | 36 | 32 | 36 | 25 | 37 | 25 |
| Pacific/Australasia, other | 81 | 79 | 107 | 78 | 79 | 64 | 62 | 61 | 47 | 62 |
| Africa | 418 | 306 | 301 | 257 | 260 | 240 | 254 | 235 | 199 | 234 |
| Egypt | 41 | 30 | 30 | 28 | 27 | 14 | 21 | 29 | 40 | 48 |
| Nigeria | 54 | 39 | 28 | 17 | 27 | 26 | 19 | 17 | 8 | 8 |
| Africa, other | 323 | 237 | 243 | 212 | 206 | 200 | 214 | 189 | 151 | 178 |
| Country unknown | 15 | 14 | 29 | 101 | 79 | 73 | 40 | 48 | 58 | 52 |
| Permanent visas | 3,022 | 3,509 | 3,009 | 2,281 | 2,019 | 1,653 | 1,409 | 1,278 | 1,166 | 1,098 |
| North America | 120 | 135 | 121 | 107 | 113 | 100 | 92 | 100 | 93 | 83 |
| Canada | 58 | 78 | 71 | 57 | 66 | 56 | 51 | 54 | 64 | 45 |
| Caribbean | 28 | 26 | 27 | 20 | 21 | 20 | 18 | 15 | 15 | 14 |
| Central America | 15 | 8 | 3 | 7 | 6 | 12 | 5 | 10 | 6 | 4 |
| Mexico | 19 | 23 | 20 | 23 | 20 | 12 | 18 | 21 | 8 | 20 |
| South America | 64 | 52 | 65 | 73 | 51 | 50 | 51 | 44 | 53 | 55 |
| Argentina | 13 | 9 | 17 | 20 | 6 | 9 | 12 | 9 | 11 | 11 |
| Brazil | 16 | 11 | 11 | 7 | 12 | 10 | 10 | 12 | 13 | 9 |
| Chile | 4 | 9 | 5 | 8 | 7 | 11 | 6 | 0 | 4 | 5 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|------|------|------|------|------|
| Colombia | 13 | 8 | 10 | 7 | 5 | 5 | 9 | 4 | 8 | 13 |
| South America, other | 18 | 15 | 22 | 31 | 21 | 15 | 14 | 19 | 17 | 17 |
| Europe | 278 | 286 | 314 | 342 | 370 | 341 | 340 | 357 | 293 | 297 |
| Belgium | 4 | 7 | 8 | 8 | 3 | 6 | 5 | 6 | 2 | 5 |
| England, United Kingdom | 56 | 49 | 50 | 39 | 43 | 51 | 36 | 53 | 49 | 33 |
| France | 16 | 15 | 16 | 23 | 25 | 15 | 19 | 23 | 11 | 19 |
| Germany | 62 | 53 | 51 | 43 | 43 | 33 | 60 | 39 | 33 | 37 |
| Europe, other | 140 | 162 | 189 | 229 | 256 | 236 | 220 | 236 | 198 | 203 |
| East Asia | 2,013 | 2,504 | 1,980 | 1,274 | 1,081 | 748 | 567 | 442 | 448 | 398 |
| China, People's Republic of | 1,659 | 2,190 | 1,679 | 985 | 850 | 534 | 383 | 304 | 317 | 260 |
| Hong Kong | 20 | 15 | 18 | 15 | 14 | 11 | 8 | 6 | 5 | 10 |
| Japan | 31 | 19 | 23 | 24 | 22 | 27 | 35 | 21 | 16 | 31 |
| Korea | 99 | 87 | 94 | 81 | 71 | 79 | 59 | 51 | 49 | 43 |
| Taiwan | 179 | 167 | 137 | 153 | 103 | 78 | 65 | 47 | 40 | 33 |
| Thailand | 11 | 10 | 14 | 4 | 8 | 3 | 4 | 6 | 6 | 6 |
| East Asia, other | 14 | 16 | 15 | 12 | 13 | 16 | 13 | 7 | 15 | 15 |
| West Asia | 376 | 385 | 394 | 325 | 261 | 285 | 233 | 212 | 194 | 181 |
| Iran | 65 | 84 | 74 | 37 | 38 | 46 | 40 | 29 | 23 | 23 |
| Iraq | 7 | 5 | 4 | 1 | 3 | 3 | 1 | 2 | 1 | 0 |
| Israel | 41 | 21 | 17 | 17 | 17 | 16 | 8 | 5 | 17 | 12 |
| Lebanon | 12 | 11 | 11 | 6 | 7 | 9 | 6 | 5 | 4 | 4 |
| Saudi Arabia | 7 | 4 | 11 | 1 | 0 | 3 | 3 | 1 | 1 | 2 |
| Turkey | 15 | 19 | 23 | 22 | 18 | 22 | 27 | 33 | 25 | 26 |
| West Asia, other | 229 | 241 | 254 | 241 | 178 | 186 | 148 | 137 | 123 | 114 |
| Pacific/Australasia | 40 | 43 | 32 | 30 | 26 | 31 | 29 | 25 | 17 | 18 |
| Australia | 13 | 10 | 13 | 9 | 6 | 18 | 11 | 14 | 7 | 5 |
| Indonesia | 13 | 16 | 3 | 8 | 7 | 5 | 10 | 2 | 4 | 5 |
| Pacific/Australasia, other | 14 | 17 | 16 | 13 | 13 | 8 | 8 | 9 | 6 | 8 |
| Africa | 124 | 93 | 83 | 89 | 83 | 78 | 85 | 82 | 50 | 51 |
| Egypt | 12 | 12 | 11 | 14 | 13 | 9 | 17 | 6 | 12 | 8 |
| Nigeria | 33 | 32 | 17 | 7 | 15 | 20 | 11 | 7 | 5 | 2 |
| Africa, other | 79 | 49 | 55 | 68 | 55 | 49 | 57 | 69 | 33 | 41 |
| Country unknown | 7 | 11 | 20 | 41 | 34 | 20 | 12 | 16 | 18 | 15 |
| Engineering | 838 | 956 | 793 | 593 | 479 | 403 | 350 | 299 | 271 | 265 |
| North America | 14 | 23 | 15 | 14 | 17 | 19 | 13 | 8 | 8 | 14 |
| Canada | 6 | 9 | 6 | 7 | 8 | 10 | 7 | 2 | 5 | 9 |
| Caribbean | 4 | 3 | 5 | 4 | 5 | 5 | 3 | 3 | 2 | 0 |
| Central America | 2 | 4 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 1 |
| Mexico | 2 | 7 | 4 | 2 | 4 | 2 | 3 | 1 | 1 | 4 |
| South America | 13 | 8 | 9 | 12 | 7 | 7 | 7 | 10 | 8 | 8 |
| Argentina | 1 | 1 | 3 | 5 | 0 | 0 | 1 | 2 | 0 | 1 |
| Brazil | 2 | 2 | 3 | 2 | 2 | 3 | 0 | 4 | 4 | 2 |
| Chile | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 |
| Colombia | 4 | 1 | 1 | 2 | 1 | 1 | 3 | 0 | 2 | 4 |
| South America, other | 5 | 3 | 2 | 3 | 4 | 1 | 2 | 4 | 2 | 1 |
| Europe | 50 | 68 | 58 | 71 | 71 | 55 | 68 | 55 | 50 | 52 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| Belgium | 1 | 1 | 1 | 3 | 0 | 1 | 1 | 2 | 0 | 1 |
| England, United Kingdom | 7 | 9 | 4 | 4 | 6 | 7 | 4 | 4 | 7 | 7 |
| France | 5 | 3 | 5 | 3 | 6 | 4 | 8 | 5 | 2 | 1 |
| Germany | 11 | 8 | 6 | 6 | 4 | 3 | 11 | 9 | 4 | 2 |
| Europe, other | 26 | 47 | 42 | 55 | 55 | 40 | 44 | 35 | 37 | 41 |
| East Asia | 579 | 698 | 526 | 332 | 254 | 192 | 154 | 125 | 129 | 110 |
| China, People's Republic of | 430 | 573 | 391 | 226 | 183 | 109 | 99 | 78 | 85 | 71 |
| Hong Kong | 7 | 5 | 9 | 4 | 4 | 5 | 1 | 4 | 1 | 4 |
| Japan | 5 | 2 | 2 | 3 | 0 | 1 | 3 | 1 | 4 | 4 |
| Korea | 42 | 34 | 37 | 36 | 20 | 33 | 22 | 21 | 11 | 14 |
| Taiwan | 89 | 76 | 78 | 61 | 39 | 38 | 27 | 18 | 20 | 12 |
| Thailand | 1 | 4 | 3 | 0 | 5 | 2 | 1 | 2 | 3 | 2 |
| East Asia, other | 5 | 4 | 6 | 2 | 3 | 4 | 1 | 1 | 5 | 3 |
| West Asia | 140 | 120 | 152 | 126 | 96 | 100 | 76 | 76 | 53 | 64 |
| Iran | 28 | 29 | 29 | 17 | 19 | 19 | 16 | 14 | 9 | 14 |
| Iraq | 5 | 3 | 0 | 1 | 2 | 3 | 1 | 1 | 0 | 0 |
| Israel | 6 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 0 | 5 |
| Lebanon | 5 | 3 | 8 | 2 | 5 | 7 | 1 | 3 | 1 | 0 |
| Saudi Arabia | 3 | 3 | 4 | 0 | 0 | 2 | 1 | 1 | 1 | 1 |
| Turkey | 6 | 7 | 12 | 16 | 4 | 11 | 13 | 13 | 11 | 15 |
| West Asia, other | 87 | 75 | 99 | 88 | 64 | 56 | 44 | 43 | 31 | 29 |
| Pacific/Australasia | 12 | 9 | 4 | 7 | 7 | 6 | 6 | 6 | 1 | 0 |
| Australia | 4 | 0 | 2 | 1 | 0 | 4 | 1 | 4 | 0 | 0 |
| Indonesia | 7 | 7 | 0 | 4 | 6 | 1 | 4 | 1 | 1 | 0 |
| Pacific/Australasia, other | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| Africa | 28 | 28 | 24 | 24 | 21 | 21 | 23 | 17 | 14 | 14 |
| Egypt | 4 | 9 | 4 | 7 | 9 | 6 | 11 | 3 | 7 | 5 |
| Nigeria | 2 | 10 | 5 | 1 | 2 | 5 | 2 | 3 | 2 | 0 |
| Africa, other | 22 | 9 | 15 | 16 | 10 | 10 | 10 | 11 | 5 | 9 |
| Country unknown | 2 | 2 | 5 | 7 | 6 | 3 | 3 | 2 | 8 | 3 |
| Science | 2,184 | 2,553 | 2,216 | 1,688 | 1,540 | 1,250 | 1,059 | 979 | 895 | 833 |
| North America | 106 | 112 | 106 | 93 | 96 | 81 | 79 | 92 | 85 | 69 |
| Canada | 52 | 69 | 65 | 50 | 58 | 46 | 44 | 52 | 59 | 36 |
| Caribbean | 24 | 23 | 22 | 16 | 16 | 15 | 15 | 12 | 13 | 14 |
| Central America | 13 | 4 | 3 | 6 | 6 | 10 | 5 | 8 | 6 | 3 |
| Mexico | 17 | 16 | 16 | 21 | 16 | 10 | 15 | 20 | 7 | 16 |
| South America | 51 | 44 | 56 | 61 | 44 | 43 | 44 | 34 | 45 | 47 |
| Argentina | 12 | 8 | 14 | 15 | 6 | 9 | 11 | 7 | 11 | 10 |
| Brazil | 14 | 9 | 8 | 5 | 10 | 7 | 10 | 8 | 9 | 7 |
| Chile | 3 | 8 | 5 | 8 | 7 | 9 | 5 | 0 | 4 | 5 |
| Colombia | 9 | 7 | 9 | 5 | 4 | 4 | 6 | 4 | 6 | 9 |
| South America, other | 13 | 12 | 20 | 28 | 17 | 14 | 12 | 15 | 15 | 16 |
| Europe | 228 | 218 | 256 | 271 | 299 | 286 | 272 | 302 | 243 | 245 |
| Belgium | 3 | 6 | 7 | 5 | 3 | 5 | 4 | 4 | 2 | 4 |
| England, United Kingdom | 49 | 40 | 46 | 35 | 37 | 44 | 32 | 49 | 42 | 26 |
| France | 11 | 12 | 11 | 20 | 19 | 11 | 11 | 18 | 9 | 18 |
| Germany | 51 | 45 | 45 | 37 | 39 | 30 | 49 | 30 | 29 | 35 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Europe, other | 114 | 115 | 147 | 174 | 201 | 196 | 176 | 201 | 161 | 162 |
| East Asia | 1,434 | 1,806 | 1,454 | 942 | 827 | 556 | 413 | 317 | 319 | 288 |
| China, People's Republic of | 1,229 | 1,617 | 1,288 | 759 | 667 | 425 | 284 | 226 | 232 | 189 |
| Hong Kong | 13 | 10 | 9 | 11 | 10 | 6 | 7 | 2 | 4 | 6 |
| Japan | 26 | 17 | 21 | 21 | 22 | 26 | 32 | 20 | 12 | 27 |
| Korea | 57 | 53 | 57 | 45 | 51 | 46 | 37 | 30 | 38 | 29 |
| Taiwan | 90 | 91 | 59 | 92 | 64 | 40 | 38 | 29 | 20 | 21 |
| Thailand | 10 | 6 | 11 | 4 | 3 | 1 | 3 | 4 | 3 | 4 |
| East Asia, other | 9 | 12 | 9 | 10 | 10 | 12 | 12 | 6 | 10 | 12 |
| West Asia | 236 | 265 | 242 | 199 | 165 | 185 | 157 | 136 | 141 | 117 |
| Iran | 37 | 55 | 45 | 20 | 19 | 27 | 24 | 15 | 14 | 9 |
| Iraq | 2 | 2 | 4 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| Israel | 35 | 21 | 17 | 15 | 15 | 14 | 8 | 4 | 17 | 7 |
| Lebanon | 7 | 8 | 3 | 4 | 2 | 2 | 5 | 2 | 3 | 4 |
| Saudi Arabia | 4 | 1 | 7 | 1 | 0 | 1 | 2 | 0 | 0 | 1 |
| Turkey | 9 | 12 | 11 | 6 | 14 | 11 | 14 | 20 | 14 | 11 |
| West Asia, other | 142 | 166 | 155 | 153 | 114 | 130 | 104 | 94 | 92 | 85 |
| Pacific/Australasia | 28 | 34 | 28 | 23 | 19 | 25 | 23 | 19 | 16 | 18 |
| Australia | 9 | 10 | 11 | 8 | 6 | 14 | 10 | 10 | 7 | 5 |
| Indonesia | 6 | 9 | 3 | 4 | 1 | 4 | 6 | 1 | 3 | 5 |
| Pacific/Australasia, other | 13 | 15 | 14 | 11 | 12 | 7 | 7 | 8 | 6 | 8 |
| Africa | 96 | 65 | 59 | 65 | 62 | 57 | 62 | 65 | 36 | 37 |
| Egypt | 8 | 3 | 7 | 7 | 4 | 3 | 6 | 3 | 5 | 3 |
| Nigeria | 31 | 22 | 12 | 6 | 13 | 15 | 9 | 4 | 3 | 2 |
| Africa, other | 57 | 40 | 40 | 52 | 45 | 39 | 47 | 58 | 28 | 32 |
| Country unknown | 5 | 9 | 15 | 34 | 28 | 17 | 9 | 14 | 10 | 12 |
| Temporary visas | 7,534 | 7,007 | 7,835 | 7,509 | 7,776 | 7,238 | 7,660 | 7,959 | 7,688 | 8,388 |
| North America | 428 | 373 | 417 | 391 | 463 | 457 | 522 | 499 | 482 | 554 |
| Canada | 217 | 196 | 207 | 206 | 222 | 233 | 243 | 253 | 250 | 280 |
| Caribbean | 33 | 35 | 24 | 29 | 44 | 34 | 36 | 25 | 29 | 30 |
| Central America | 55 | 35 | 44 | 31 | 38 | 30 | 52 | 35 | 29 | 45 |
| Mexico | 123 | 107 | 142 | 125 | 159 | 160 | 191 | 186 | 174 | 199 |
| South America | 345 | 309 | 397 | 341 | 385 | 394 | 396 | 372 | 360 | 404 |
| Argentina | 43 | 41 | 51 | 49 | 65 | 47 | 66 | 60 | 55 | 64 |
| Brazil | 142 | 126 | 196 | 144 | 152 | 154 | 121 | 131 | 113 | 98 |
| Chile | 38 | 29 | 32 | 23 | 19 | 22 | 36 | 25 | 36 | 61 |
| Colombia | 35 | 37 | 32 | 33 | 27 | 47 | 47 | 55 | 47 | 70 |
| South America, other | 87 | 76 | 86 | 92 | 122 | 124 | 126 | 101 | 109 | 111 |
| Europe | 876 | 971 | 955 | 972 | 1,162 | 1,145 | 1,167 | 1,294 | 1,259 | 1,309 |
| Belgium | 17 | 25 | 17 | 10 | 14 | 15 | 16 | 18 | 14 | 18 |
| England, United Kingdom | 72 | 83 | 67 | 53 | 81 | 91 | 64 | 85 | 85 | 77 |
| France | 80 | 67 | 53 | 51 | 52 | 64 | 64 | 62 | 81 | 68 |
| Germany | 135 | 155 | 119 | 138 | 167 | 150 | 169 | 181 | 164 | 152 |
| Europe, other | 572 | 641 | 699 | 720 | 848 | 825 | 854 | 948 | 915 | 994 |
| East Asia | 3,507 | 3,015 | 3,699 | 3,536 | 3,622 | 3,415 | 3,732 | 3,910 | 3,839 | 4,155 |
| China, People's Republic of | 902 | 591 | 1,343 | 1,410 | 1,660 | 1,699 | 1,995 | 2,114 | 2,084 | 2,241 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hong Kong | 76 | 75 | 92 | 71 | 77 | 43 | 38 | 40 | 37 | 22 |
| Japan | 152 | 136 | 146 | 131 | 134 | 131 | 166 | 129 | 142 | 171 |
| Korea | 1,056 | 922 | 891 | 820 | 752 | 681 | 694 | 816 | 806 | 918 |
| Taiwan | 1,131 | 1,082 | 1,025 | 940 | 810 | 668 | 611 | 494 | 429 | 409 |
| Thailand | 86 | 104 | 105 | 93 | 115 | 131 | 149 | 230 | 258 | 305 |
| East Asia, other | 104 | 105 | 97 | 71 | 74 | 62 | 79 | 87 | 83 | 89 |
| West Asia | 1,707 | 1,807 | 1,778 | 1,719 | 1,583 | 1,362 | 1,362 | 1,435 | 1,290 | 1,484 |
| Iran | 109 | 89 | 76 | 76 | 55 | 46 | 40 | 71 | 34 | 45 |
| Iraq | 15 | 9 | 5 | 6 | 2 | 2 | 1 | 5 | 2 | 0 |
| Israel | 69 | 65 | 67 | 46 | 41 | 31 | 38 | 44 | 33 | 54 |
| Lebanon | 61 | 45 | 45 | 24 | 31 | 16 | 22 | 23 | 27 | 28 |
| Saudi Arabia | 70 | 67 | 69 | 69 | 46 | 55 | 53 | 51 | 70 | 63 |
| Turkey | 130 | 148 | 128 | 148 | 154 | 170 | 248 | 276 | 317 | 348 |
| West Asia, other | 1,253 | 1,384 | 1,388 | 1,350 | 1,254 | 1,042 | 960 | 965 | 807 | 946 |
| Pacific/Australasia | 192 | 188 | 205 | 179 | 180 | 130 | 151 | 135 | 137 | 127 |
| Australia | 43 | 51 | 30 | 39 | 40 | 31 | 31 | 30 | 25 | 23 |
| Indonesia | 71 | 67 | 67 | 59 | 58 | 40 | 53 | 46 | 62 | 42 |
| Pacific/Australasia, other | 78 | 70 | 108 | 81 | 82 | 59 | 67 | 59 | 50 | 62 |
| Africa | 462 | 335 | 362 | 279 | 292 | 260 | 281 | 255 | 247 | 290 |
| Egypt | 92 | 66 | 79 | 63 | 79 | 54 | 66 | 69 | 84 | 102 |
| Nigeria | 27 | 21 | 22 | 18 | 19 | 15 | 12 | 13 | 8 | 11 |
| Africa, other | 343 | 248 | 261 | 198 | 194 | 191 | 203 | 173 | 155 | 177 |
| Country unknown | 17 | 9 | 22 | 92 | 89 | 75 | 49 | 59 | 74 | 65 |
| Engineering | 2,653 | 2,527 | 2,734 | 2,555 | 2,582 | 2,192 | 2,452 | 2,787 | 2,647 | 2,909 |
| North America | 76 | 59 | 82 | 71 | 82 | 92 | 105 | 100 | 89 | 102 |
| Canada | 30 | 32 | 39 | 37 | 29 | 41 | 43 | 43 | 32 | 25 |
| Caribbean | 10 | 4 | 3 | 9 | 12 | 8 | 5 | 5 | 7 | 2 |
| Central America | 8 | 4 | 7 | 2 | 6 | 3 | 6 | 7 | 4 | 11 |
| Mexico | 28 | 19 | 33 | 23 | 35 | 40 | 51 | 45 | 46 | 64 |
| South America | 98 | 81 | 109 | 84 | 98 | 92 | 105 | 86 | 84 | 74 |
| Argentina | 6 | 6 | 6 | 10 | 13 | 9 | 11 | 12 | 5 | 9 |
| Brazil | 47 | 44 | 62 | 42 | 49 | 40 | 37 | 33 | 29 | 14 |
| Chile | 7 | 7 | 8 | 1 | 2 | 4 | 8 | 7 | 8 | 12 |
| Colombia | 8 | 9 | 6 | 2 | 7 | 10 | 13 | 12 | 16 | 14 |
| South America, other | 30 | 15 | 27 | 29 | 27 | 29 | 36 | 22 | 26 | 25 |
| Europe | 208 | 229 | 179 | 177 | 234 | 221 | 229 | 280 | 251 | 261 |
| Belgium | 6 | 11 | 3 | 2 | 3 | 0 | 5 | 6 | 4 | 6 |
| England, United Kingdom | 7 | 11 | 6 | 8 | 6 | 7 | 7 | 7 | 7 | 5 |
| France | 27 | 21 | 20 | 9 | 17 | 19 | 15 | 19 | 23 | 22 |
| Germany | 18 | 29 | 10 | 22 | 25 | 35 | 35 | 39 | 41 | 20 |
| Europe, other | 150 | 157 | 140 | 136 | 183 | 160 | 167 | 209 | 176 | 208 |
| East Asia | 1,316 | 1,179 | 1,355 | 1,226 | 1,252 | 1,094 | 1,269 | 1,512 | 1,532 | 1,710 |
| China, People's Republic of | 233 | 209 | 434 | 440 | 519 | 488 | 622 | 804 | 808 | 908 |
| Hong Kong | 7 | 15 | 22 | 9 | 23 | 6 | 11 | 11 | 10 | 11 |
| Japan | 41 | 28 | 30 | 34 | 21 | 30 | 20 | 22 | 28 | 31 |
| Korea | 387 | 311 | 290 | 279 | 271 | 243 | 263 | 316 | 342 | 385 |
| Taiwan | 583 | 544 | 502 | 404 | 348 | 268 | 264 | 224 | 194 | 176 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Thailand | 33 | 34 | 40 | 41 | 48 | 50 | 59 | 112 | 128 | 167 |
| East Asia, other | 32 | 38 | 37 | 19 | 22 | 9 | 30 | 23 | 22 | 32 |
| West Asia | 770 | 846 | 847 | 845 | 742 | 579 | 599 | 665 | 543 | 609 |
| Iran | 64 | 56 | 39 | 44 | 25 | 23 | 22 | 48 | 22 | 27 |
| Iraq | 4 | 5 | 2 | 4 | 1 | 2 | 1 | 1 | 1 | 0 |
| Israel | 12 | 19 | 20 | 12 | 10 | 6 | 6 | 10 | 6 | 7 |
| Lebanon | 40 | 28 | 14 | 7 | 13 | 2 | 11 | 7 | 12 | 14 |
| Saudi Arabia | 25 | 22 | 36 | 31 | 18 | 24 | 16 | 28 | 24 | 22 |
| Turkey | 59 | 67 | 62 | 81 | 78 | 89 | 123 | 131 | 140 | 153 |
| West Asia, other | 566 | 649 | 674 | 666 | 597 | 433 | 420 | 440 | 338 | 386 |
| Pacific/Australasia | 38 | 35 | 34 | 40 | 42 | 18 | 38 | 34 | 38 | 35 |
| Australia | 7 | 7 | 4 | 7 | 4 | 4 | 3 | 6 | 1 | 5 |
| Indonesia | 21 | 22 | 15 | 19 | 23 | 12 | 23 | 22 | 28 | 22 |
| Pacific/Australasia, other | 10 | 6 | 15 | 14 | 15 | 2 | 12 | 6 | 9 | 8 |
| Africa | 140 | 94 | 120 | 87 | 94 | 77 | 89 | 85 | 84 | 93 |
| Egypt | 59 | 39 | 56 | 42 | 56 | 43 | 51 | 43 | 49 | 57 |
| Nigeria | 4 | 4 | 6 | 7 | 5 | 4 | 2 | 0 | 3 | 5 |
| Africa, other | 77 | 51 | 58 | 38 | 33 | 30 | 36 | 42 | 32 | 31 |
| Country unknown | 7 | 4 | 8 | 25 | 38 | 19 | 18 | 25 | 26 | 25 |
| Science | 4,881 | 4,480 | 5,101 | 4,954 | 5,194 | 5,046 | 5,208 | 5,172 | 5,041 | 5,479 |
| North America | 352 | 314 | 335 | 320 | 381 | 365 | 417 | 399 | 393 | 452 |
| Canada | 187 | 164 | 168 | 169 | 193 | 192 | 200 | 210 | 218 | 255 |
| Caribbean | 23 | 31 | 21 | 20 | 32 | 26 | 31 | 20 | 22 | 28 |
| Central America | 47 | 31 | 37 | 29 | 32 | 27 | 46 | 28 | 25 | 34 |
| Mexico | 95 | 88 | 109 | 102 | 124 | 120 | 140 | 141 | 128 | 135 |
| South America | 247 | 228 | 288 | 257 | 287 | 302 | 291 | 286 | 276 | 330 |
| Argentina | 37 | 35 | 45 | 39 | 52 | 38 | 55 | 48 | 50 | 55 |
| Brazil | 95 | 82 | 134 | 102 | 103 | 114 | 84 | 98 | 84 | 84 |
| Chile | 31 | 22 | 24 | 22 | 17 | 18 | 28 | 18 | 28 | 49 |
| Colombia | 27 | 28 | 26 | 31 | 20 | 37 | 34 | 43 | 31 | 56 |
| South America, other | 57 | 61 | 59 | 63 | 95 | 95 | 90 | 79 | 83 | 86 |
| Europe | 668 | 742 | 776 | 795 | 928 | 924 | 938 | 1,014 | 1,008 | 1,048 |
| Belgium | 11 | 14 | 14 | 8 | 11 | 15 | 11 | 12 | 10 | 12 |
| England, United Kingdom | 65 | 72 | 61 | 45 | 75 | 84 | 57 | 78 | 78 | 72 |
| France | 53 | 46 | 33 | 42 | 35 | 45 | 49 | 43 | 58 | 46 |
| Germany | 117 | 126 | 109 | 116 | 142 | 115 | 134 | 142 | 123 | 132 |
| Europe, other | 422 | 484 | 559 | 584 | 665 | 665 | 687 | 739 | 739 | 786 |
| East Asia | 2,191 | 1,836 | 2,344 | 2,310 | 2,370 | 2,321 | 2,463 | 2,398 | 2,307 | 2,445 |
| China, People's Republic of | 669 | 382 | 909 | 970 | 1,141 | 1,211 | 1,373 | 1,310 | 1,276 | 1,333 |
| Hong Kong | 69 | 60 | 70 | 62 | 54 | 37 | 27 | 29 | 27 | 11 |
| Japan | 111 | 108 | 116 | 97 | 113 | 101 | 146 | 107 | 114 | 140 |
| Korea | 669 | 611 | 601 | 541 | 481 | 438 | 431 | 500 | 464 | 533 |
| Taiwan | 548 | 538 | 523 | 536 | 462 | 400 | 347 | 270 | 235 | 233 |
| Thailand | 53 | 70 | 65 | 52 | 67 | 81 | 90 | 118 | 130 | 138 |
| East Asia, other | 72 | 67 | 60 | 52 | 52 | 53 | 49 | 64 | 61 | 57 |
| West Asia | 937 | 961 | 931 | 874 | 841 | 783 | 763 | 770 | 747 | 875 |

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by country of citizenship, visa type, and year of doctorate: 1994–2003

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| Country/economy | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| Iran | 45 | 33 | 37 | 32 | 30 | 23 | 18 | 23 | 12 | 18 |
| Iraq | 11 | 4 | 3 | 2 | 1 | 0 | 0 | 4 | 1 | 0 |
| Israel | 57 | 46 | 47 | 34 | 31 | 25 | 32 | 34 | 27 | 47 |
| Lebanon | 21 | 17 | 31 | 17 | 18 | 14 | 11 | 16 | 15 | 14 |
| Saudi Arabia | 45 | 45 | 33 | 38 | 28 | 31 | 37 | 23 | 46 | 41 |
| Turkey | 71 | 81 | 66 | 67 | 76 | 81 | 125 | 145 | 177 | 195 |
| West Asia, other | 687 | 735 | 714 | 684 | 657 | 609 | 540 | 525 | 469 | 560 |
| Pacific/Australasia | 154 | 153 | 171 | 139 | 138 | 112 | 113 | 101 | 99 | 92 |
| Australia | 36 | 44 | 26 | 32 | 36 | 27 | 28 | 24 | 24 | 18 |
| Indonesia | 50 | 45 | 52 | 40 | 35 | 28 | 30 | 24 | 34 | 20 |
| Pacific/Australasia, other | 68 | 64 | 93 | 67 | 67 | 57 | 55 | 53 | 41 | 54 |
| Africa | 322 | 241 | 242 | 192 | 198 | 183 | 192 | 170 | 163 | 197 |
| Egypt | 33 | 27 | 23 | 21 | 23 | 11 | 15 | 26 | 35 | 45 |
| Nigeria | 23 | 17 | 16 | 11 | 14 | 11 | 10 | 13 | 5 | 6 |
| Africa, other | 266 | 197 | 203 | 160 | 161 | 161 | 167 | 131 | 123 | 146 |
| Country unknown | 10 | 5 | 14 | 67 | 51 | 56 | 31 | 34 | 48 | 40 |

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | | Biological and agricultural sciences | | |
|--|-------------|---------------|--------------|-------------|----------|-------|------------|------------|-------|--------------------------------------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| | | | | | | | | | | | | |
| All institutions | | 40,710 | 25,258 | 5,265 | 643 | 672 | 1,463 | 814 | 1,673 | 6,616 | 922 | 5,694 |
| Alabama | 24 | 537 | 314 | 82 | 9 | 8 | 17 | 18 | 30 | 108 | 28 | 80 |
| AL A&M U. | 299 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 |
| Auburn U. main campus | 72 | 159 | 116 | 30 | 3 | 4 | 8 | 5 | 10 | 36 | 24 | 12 |
| U. AL Birmingham, The | 87 | 155 | 94 | 12 | 0 | 1 | 1 | 0 | 10 | 62 | 0 | 62 |
| U. AL Huntsville, The | 214 | 21 | 21 | 15 | 0 | 2 | 5 | 3 | 5 | 0 | 0 | 0 |
| U.S. Sports Academy | 356 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. AL, The | 103 | 178 | 74 | 25 | 6 | 1 | 3 | 10 | 5 | 3 | 0 | 3 |
| U. South AL | 308 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| Alaska | 52 | 36 | 36 | 3 | 0 | 1 | 0 | 1 | 1 | 10 | 3 | 7 |
| U. AK Fairbanks | 167 | 36 | 36 | 3 | 0 | 1 | 0 | 1 | 1 | 10 | 3 | 7 |
| Arizona | 20 | 719 | 451 | 97 | 9 | 17 | 16 | 13 | 42 | 90 | 7 | 83 |
| AZ State U. main campus | 42 | 302 | 178 | 58 | 6 | 13 | 10 | 6 | 23 | 19 | 0 | 19 |
| Northern AZ U. | 248 | 38 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 6 |
| U. AZ | 22 | 379 | 260 | 39 | 3 | 4 | 6 | 7 | 19 | 62 | 4 | 58 |
| Arkansas | 38 | 168 | 82 | 10 | 2 | 2 | 4 | 0 | 2 | 44 | 22 | 22 |
| AR State U. main campus | 337 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. AR Little Rock | 356 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. AR for Medical Sciences | 236 | 17 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 15 |
| U. AR main campus | 112 | 121 | 65 | 10 | 2 | 2 | 4 | 0 | 2 | 29 | 22 | 7 |
| California | 1 | 4,736 | 3,405 | 754 | 56 | 103 | 288 | 107 | 200 | 755 | 31 | 724 |
| Azusa Pacific U. | 356 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biola U. | 299 | 16 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA Institute of Integral Studies | 273 | 33 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA Institute of Technology | 60 | 135 | 135 | 41 | 4 | 2 | 13 | 7 | 15 | 15 | 0 | 15 |
| CA School of Professional Psychologists Fresno | 198 | 25 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA School of Professional Psychology Almeda | 174 | 34 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA School of Professional Psychology Los Angeles | 162 | 37 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CA School of Professional Psychology San Diego | 128 | 61 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Claremont Graduate U. | 134 | 114 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Claremont School of Theology | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fielding Institute, The | 132 | 86 | 53 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean | | | Physical sciences | | | | | | | |
|--|-----------------------------|-------------|-------|-----------------------|-----------|-------------------------|------------|-----------------|---------|--------|---|
| | Computer sciences | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | Social sciences | Non-S&E | | |
| | | | | Chemistry | Astronomy | | | | | | |
| All institutions | 866 | 783 | 994 | 3,320 | 2,037 | 1,247 | 36 | 3,275 | 4,139 | 15,452 | |
| Alabama | 6 | 6 | 14 | 30 | 18 | 11 | 1 | 41 | 27 | 223 | |
| AL A&M U. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Auburn U. main campus | 2 | 0 | 6 | 9 | 8 | 0 | 1 | 21 | 12 | 43 | |
| U. AL Birmingham, The | 2 | 0 | 0 | 7 | 2 | 5 | 0 | 8 | 3 | 61 | |
| U. AL Huntsville, The | 1 | 2 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| U.S. Sports Academy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| U. AL, The | 1 | 3 | 8 | 10 | 8 | 2 | 0 | 12 | 12 | 104 | |
| U. South AL | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Alaska | 0 | 17 | 0 | 4 | 0 | 4 | 0 | 1 | 1 | 0 | |
| U. AK Fairbanks | 0 | 17 | 0 | 4 | 0 | 4 | 0 | 1 | 1 | 0 | |
| Arizona | 11 | 27 | 16 | 70 | 29 | 37 | 4 | 53 | 87 | 268 | |
| AZ State U. main campus | 7 | 5 | 8 | 23 | 18 | 5 | 0 | 25 | 33 | 124 | |
| Northern AZ U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25 | |
| U. AZ | 4 | 22 | 8 | 47 | 11 | 32 | 4 | 28 | 50 | 119 | |
| Arkansas | 0 | 4 | 1 | 11 | 8 | 3 | 0 | 9 | 3 | 86 | |
| AR State U. main campus | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. AR Little Rock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | |
| U. AR for Medical Sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| U. AR main campus | 0 | 2 | 1 | 11 | 8 | 3 | 0 | 9 | 3 | 56 | |
| California | 156 | 123 | 138 | 448 | 273 | 174 | 1 | 479 | 552 | 1,331 | |
| Azusa Pacific U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | |
| Biola U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 11 | |
| CA Institute of Integral Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 24 | |
| CA Institute of Technology | 2 | 11 | 10 | 50 | 25 | 25 | 0 | 0 | 6 | 0 | |
| CA School of Professional Psychologists Fresno | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | |
| CA School of Professional Psychology Almeda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 1 | |
| CA School of Professional Psychology Los Angeles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | |
| CA School of Professional Psychology San Diego | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 0 | 5 | |
| Claremont Graduate U. | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 20 | 24 | 62 | |
| Claremont School of Theology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Fielding Institute, The | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 6 | 33 | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E | All | Total | Engineering | | | | | Biological and agricultural sciences | | | |
|--|------|--------|-------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | rank | fields | S&E | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| Fuller Theological Seminary CA | 218 | 48 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Graduate Theological Union | 356 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hebrew Union C. California Branch | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| La Sierra U. | 356 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Loma Linda U. | 219 | 28 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 |
| Naval Postgraduate School | 226 | 18 | 17 | 10 | 0 | 0 | 0 | 4 | 6 | 0 | 0 | 0 |
| Pacific Graduate School of Psychology | 193 | 27 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rand Graduate School of Policy Studies | 273 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego State U. | 214 | 40 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| Santa Clara U. | 308 | 4 | 4 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Saybrook Institute | 156 | 44 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stanford U. | 2 | 578 | 462 | 193 | 17 | 17 | 76 | 24 | 59 | 65 | 0 | 65 |
| U. CA, Berkeley | 1 | 767 | 583 | 149 | 12 | 37 | 34 | 33 | 33 | 128 | 6 | 122 |
| U. CA, Davis | 18 | 374 | 309 | 44 | 7 | 11 | 9 | 0 | 17 | 158 | 20 | 138 |
| U. CA, Irvine | 56 | 188 | 145 | 32 | 0 | 11 | 5 | 2 | 14 | 29 | 0 | 29 |
| U. CA, Los Angeles | 8 | 593 | 390 | 69 | 5 | 8 | 30 | 13 | 13 | 97 | 0 | 97 |
| U. CA, Riverside | 89 | 121 | 90 | 3 | 0 | 0 | 3 | 0 | 0 | 35 | 4 | 31 |
| U. CA, San Diego | 30 | 263 | 219 | 52 | 0 | 3 | 30 | 7 | 12 | 74 | 0 | 74 |
| U. CA, San Francisco | 117 | 80 | 62 | 2 | 0 | 0 | 0 | 0 | 2 | 44 | 0 | 44 |
| U. CA, Santa Barbara | 39 | 250 | 184 | 51 | 7 | 0 | 23 | 9 | 12 | 22 | 1 | 21 |
| U. CA, Santa Cruz | 92 | 103 | 89 | 10 | 0 | 0 | 10 | 0 | 0 | 12 | 0 | 12 |
| U. La Verne | 320 | 44 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. San Diego | 356 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. San Francisco | 356 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Southern CA | 19 | 468 | 300 | 92 | 4 | 14 | 51 | 8 | 15 | 59 | 0 | 59 |
| U. of the Pacific | 299 | 22 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wright Institute all campuses | 320 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado | 17 | 764 | 533 | 128 | 21 | 37 | 19 | 20 | 31 | 114 | 18 | 96 |
| CO School of Mines | 130 | 54 | 54 | 34 | 11 | 2 | 0 | 1 | 20 | 0 | 0 | 0 |
| CO State U. | 50 | 181 | 157 | 23 | 1 | 10 | 5 | 7 | 0 | 53 | 17 | 36 |
| CO Technical U. Colorado Springs | 299 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. CO Boulder | 24 | 299 | 231 | 65 | 9 | 22 | 13 | 12 | 9 | 31 | 0 | 31 |
| U. CO Health Sciences Ctr. | 181 | 41 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 29 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean | | | Physical sciences | | | | | | | |
|--|-----------------------------|-----------|-------------|-------------------|-----------------------|-----------|-------------------------|------------|-----------------|---------|--|
| | Computer sciences | and ocean | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | Social sciences | Non-S&E | |
| | | | | | Chemistry | astronomy | | | | | |
| Fuller Theological Seminary CA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 28 | |
| Graduate Theological Union | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | |
| Hebrew Union C. California Branch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| La Sierra U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | |
| Loma Linda U. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 9 | |
| Naval Postgraduate School | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Pacific Graduate School of Psychology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | |
| Rand Graduate School of Policy Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | |
| San Diego State U. | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 9 | 2 | 19 | |
| Santa Clara U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Saybrook Institute | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 4 | 5 | |
| Stanford U. | 31 | 21 | 21 | 71 | 36 | 35 | 0 | 18 | 42 | 116 | |
| U. CA, Berkeley | 24 | 17 | 35 | 92 | 58 | 34 | 0 | 17 | 121 | 184 | |
| U. CA, Davis | 6 | 11 | 11 | 38 | 27 | 10 | 1 | 7 | 34 | 65 | |
| U. CA, Irvine | 13 | 4 | 6 | 24 | 20 | 4 | 0 | 8 | 29 | 43 | |
| U. CA, Los Angeles | 17 | 13 | 14 | 46 | 25 | 21 | 0 | 38 | 96 | 203 | |
| U. CA, Riverside | 4 | 3 | 2 | 17 | 12 | 5 | 0 | 11 | 15 | 31 | |
| U. CA, San Diego | 10 | 19 | 10 | 24 | 10 | 14 | 0 | 11 | 19 | 44 | |
| U. CA, San Francisco | 1 | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 7 | 18 | |
| U. CA, Santa Barbara | 14 | 9 | 14 | 27 | 16 | 11 | 0 | 10 | 37 | 66 | |
| U. CA, Santa Cruz | 10 | 9 | 1 | 25 | 12 | 13 | 0 | 6 | 16 | 14 | |
| U. La Verne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 41 | |
| U. San Diego | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | |
| U. San Francisco | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | |
| U. Southern CA | 20 | 2 | 5 | 19 | 17 | 2 | 0 | 26 | 77 | 168 | |
| U. of the Pacific | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 17 | |
| Wright Institute all campuses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | |
| Colorado | 15 | 31 | 17 | 91 | 45 | 46 | 0 | 54 | 83 | 231 | |
| CO School of Mines | 2 | 10 | 1 | 4 | 1 | 3 | 0 | 0 | 3 | 0 | |
| CO State U. | 3 | 10 | 3 | 29 | 19 | 10 | 0 | 16 | 20 | 24 | |
| CO Technical U. Colorado Springs | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |
| U. CO Boulder | 3 | 11 | 8 | 55 | 22 | 33 | 0 | 17 | 41 | 68 | |
| U. CO Health Sciences Ctr. | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 10 | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E | All | Total | Engineering | | | | | Biological and agricultural sciences | | | |
|--------------------------------|------|--------|-------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | rank | fields | S&E | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| U. CO Colorado Springs | 320 | 3 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| U. CO Denver | 256 | 27 | 12 | 3 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 |
| U. Denver | 174 | 78 | 33 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| U. Northern CO | 283 | 69 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Connecticut | 23 | 578 | 385 | 34 | 8 | 3 | 9 | 7 | 7 | 128 | 8 | 120 |
| U. CT | 48 | 237 | 160 | 30 | 8 | 3 | 7 | 6 | 6 | 43 | 6 | 37 |
| U. Hartford | 356 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wesleyan U. | 256 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| Yale U. | 33 | 311 | 213 | 4 | 0 | 0 | 2 | 1 | 1 | 81 | 2 | 79 |
| Delaware | 39 | 167 | 102 | 30 | 12 | 3 | 4 | 4 | 7 | 7 | 4 | 3 |
| U. DE | 80 | 135 | 102 | 30 | 12 | 3 | 4 | 4 | 7 | 7 | 4 | 3 |
| Wilmington C. (New Castle, DE) | 356 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia | 25 | 519 | 313 | 37 | 0 | 3 | 8 | 10 | 16 | 51 | 0 | 51 |
| American U. | 134 | 60 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Catholic U. America, The | 162 | 96 | 37 | 7 | 0 | 0 | 2 | 4 | 1 | 1 | 0 | 1 |
| Gallaudet U. | 308 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| George Washington U. | 78 | 189 | 104 | 28 | 0 | 3 | 4 | 6 | 15 | 12 | 0 | 12 |
| Georgetown U. | 113 | 88 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 22 |
| Howard U. | 134 | 80 | 52 | 2 | 0 | 0 | 2 | 0 | 0 | 14 | 0 | 14 |
| Florida | 4 | 2,157 | 818 | 167 | 13 | 16 | 60 | 19 | 59 | 162 | 32 | 130 |
| Barry U. | 356 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FL A&M U. | 308 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| FL Atlantic U. | 187 | 51 | 28 | 5 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 1 |
| FL Institute of Technology | 178 | 33 | 32 | 12 | 0 | 1 | 6 | 1 | 4 | 5 | 0 | 5 |
| FL International U. | 178 | 60 | 32 | 6 | 0 | 3 | 1 | 0 | 2 | 4 | 0 | 4 |
| FL State U. | 75 | 290 | 115 | 7 | 0 | 1 | 2 | 3 | 1 | 16 | 0 | 16 |
| Lynn U. | 356 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nova Southeastern U. | 86 | 675 | 95 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| U. Central FL | 150 | 111 | 44 | 30 | 0 | 3 | 12 | 2 | 13 | 0 | 0 | 0 |
| U. FL | 16 | 437 | 314 | 87 | 11 | 8 | 22 | 9 | 37 | 96 | 31 | 65 |
| U. Miami | 103 | 119 | 74 | 6 | 0 | 0 | 3 | 2 | 1 | 22 | 0 | 22 |
| U. Sarasota | 320 | 179 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| U. South FL | 101 | 146 | 77 | 13 | 2 | 0 | 9 | 2 | 0 | 14 | 0 | 14 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean | | | Physical sciences | | | | | | Social sciences | Non-S&E | | |
|--------------------------------|-----------------------------|-----------|-------------|-------------------|-----------------------|-----------|-------------------------|------------|-----|-----------------|---------|--|--|
| | Computer sciences | and ocean | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | | | | | |
| | | | | | Chemistry | Astronomy | | | | | | | |
| U. CO Colorado Springs | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| U. CO Denver | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 15 | | |
| U. Denver | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 17 | 12 | 45 | | |
| U. Northern CO | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 62 | | |
| Connecticut | 6 | 6 | 16 | 57 | 32 | 25 | 0 | 41 | 97 | 193 | | | |
| U. CT | 1 | 3 | 4 | 16 | 10 | 6 | 0 | 25 | 38 | 77 | | | |
| U. Hartford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | | |
| Wesleyan U. | 0 | 0 | 4 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | | |
| Yale U. | 5 | 3 | 8 | 37 | 20 | 17 | 0 | 16 | 59 | 98 | | | |
| Delaware | 3 | 8 | 1 | 17 | 9 | 7 | 1 | 15 | 21 | 65 | | | |
| U. DE | 3 | 8 | 1 | 17 | 9 | 7 | 1 | 15 | 21 | 33 | | | |
| Wilmington C. (New Castle, DE) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | | |
| District of Columbia | 7 | 1 | 8 | 20 | 15 | 5 | 0 | 51 | 138 | 206 | | | |
| American U. | 0 | 0 | 2 | 3 | 1 | 2 | 0 | 5 | 40 | 8 | | | |
| Catholic U. America, The | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 13 | 15 | 59 | | | |
| Gallaudet U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | | | |
| George Washington U. | 7 | 1 | 4 | 4 | 2 | 2 | 0 | 15 | 33 | 85 | | | |
| Georgetown U. | 0 | 0 | 1 | 9 | 9 | 0 | 0 | 0 | 32 | 24 | | | |
| Howard U. | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 14 | 18 | 28 | | | |
| Florida | 52 | 40 | 17 | 109 | 70 | 38 | 1 | 156 | 115 | 1,339 | | | |
| Barry U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | | |
| FL A&M U. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| FL Atlantic U. | 1 | 1 | 2 | 8 | 1 | 7 | 0 | 6 | 4 | 23 | | | |
| FL Institute of Technology | 4 | 3 | 4 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | | |
| FL International U. | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 11 | 9 | 28 | | | |
| FL State U. | 3 | 14 | 6 | 25 | 14 | 11 | 0 | 20 | 24 | 175 | | | |
| Lynn U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | |
| Nova Southeastern U. | 28 | 1 | 0 | 0 | 0 | 0 | 0 | 51 | 14 | 580 | | | |
| U. Central FL | 6 | 0 | 0 | 7 | 0 | 7 | 0 | 0 | 1 | 67 | | | |
| U. FL | 3 | 2 | 3 | 45 | 39 | 6 | 0 | 29 | 49 | 123 | | | |
| U. Miami | 0 | 11 | 1 | 9 | 6 | 3 | 0 | 17 | 8 | 45 | | | |
| U. Sarasota | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 176 | | |
| U. South FL | 4 | 8 | 1 | 9 | 6 | 2 | 1 | 22 | 6 | 69 | | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|--|----------|------------|-----------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| U. West FL | 356 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia | 13 | 990 | 620 | 172 | 10 | 20 | 49 | 32 | 61 | 181 | 34 | 147 |
| Clark Atlanta U. | 308 | 23 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emory U. | 94 | 155 | 86 | 1 | 0 | 0 | 0 | 0 | 1 | 53 | 0 | 53 |
| GA Institute of Technology main campus | 28 | 225 | 222 | 163 | 10 | 19 | 49 | 32 | 53 | 9 | 0 | 9 |
| GA Southern U. | 356 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GA State U. | 119 | 122 | 61 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| Institute of Paper Science and Technology | 273 | 9 | 9 | 7 | 0 | 0 | 0 | 0 | 7 | 1 | 1 | 0 |
| Medical C. GA | 256 | 15 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 |
| Mercer U. | 337 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morehouse School of Medicine | 320 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| U. GA | 29 | 408 | 221 | 1 | 0 | 1 | 0 | 0 | 0 | 97 | 33 | 64 |
| Valdosta State U. | 356 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hawaii | 42 | 128 | 92 | 2 | 0 | 2 | 0 | 0 | 0 | 31 | 2 | 29 |
| U. HI Manoa | 88 | 128 | 92 | 2 | 0 | 2 | 0 | 0 | 0 | 31 | 2 | 29 |
| Idaho | 43 | 124 | 70 | 17 | 1 | 4 | 1 | 4 | 7 | 24 | 11 | 13 |
| ID State U. | 248 | 35 | 13 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 5 |
| U. ID | 124 | 89 | 57 | 16 | 1 | 4 | 1 | 4 | 6 | 19 | 11 | 8 |
| Illinois | 5 | 2,113 | 1,262 | 276 | 34 | 39 | 72 | 46 | 85 | 287 | 32 | 255 |
| Benedictine U. | 320 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chicago Theological Seminary | 356 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DePaul U. | 226 | 25 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finch U. of Health Sciences/Chicago Medical School | 248 | 13 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| Garrett-Evangelical Theological Seminary | 356 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IL Institute of Technology | 124 | 74 | 57 | 23 | 5 | 6 | 5 | 4 | 3 | 8 | 0 | 8 |
| IL State U. | 283 | 55 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Institute for Clinical Social Work | 345 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Loyola U. Chicago | 137 | 157 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 15 |
| Lutheran School of Theology Chicago | 356 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| National-Louis U. | 356 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northern IL U. | 159 | 100 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| Northwestern U. | 35 | 301 | 202 | 71 | 13 | 11 | 8 | 10 | 29 | 34 | 0 | 34 |
| Roosevelt U. | 356 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | Social sciences | Non-S&E | | |
|--|---|-------------|-------|-----------------------|-----|-------------------------|------------|-----|-----------------|---------|--|--|
| | Computer sciences | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | | | | | |
| | | | | Chemistry | 0 | | | | | | | |
| U. West FL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | | |
| Georgia | 20 | 14 | 14 | 71 | 60 | 11 | 0 | 76 | 72 | 370 | | |
| Clark Atlanta U. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 19 | | |
| Emory U. | 0 | 0 | 1 | 7 | 7 | 0 | 0 | 9 | 15 | 69 | | |
| GA Institute of Technology main campus | 16 | 3 | 7 | 18 | 14 | 4 | 0 | 4 | 2 | 3 | | |
| GA Southern U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | | |
| GA State U. | 2 | 1 | 0 | 15 | 10 | 5 | 0 | 24 | 13 | 61 | | |
| Institute of Paper Science and Technology | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | |
| Medical C. GA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | |
| Mercer U. | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | | |
| Morehouse School of Medicine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| U. GA | 2 | 10 | 6 | 27 | 25 | 2 | 0 | 39 | 39 | 187 | | |
| Valdosta State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | |
| Hawaii | 3 | 11 | 1 | 5 | 0 | 5 | 0 | 5 | 34 | 36 | | |
| U. HI Manoa | 3 | 11 | 1 | 5 | 0 | 5 | 0 | 5 | 34 | 36 | | |
| Idaho | 5 | 3 | 1 | 9 | 7 | 2 | 0 | 3 | 8 | 54 | | |
| ID State U. | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 3 | 2 | 22 | | |
| U. ID | 5 | 3 | 0 | 8 | 7 | 1 | 0 | 0 | 6 | 32 | | |
| Illinois | 39 | 11 | 68 | 178 | 116 | 62 | 0 | 160 | 243 | 851 | | |
| Benedictine U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 13 | | |
| Chicago Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | |
| DePaul U. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 8 | | |
| Finch U. of Health Sciences/Chicago Medical School | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 6 | 0 | 0 | | |
| Garrett-Evangelical Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | |
| IL Institute of Technology | 10 | 0 | 1 | 5 | 1 | 4 | 0 | 10 | 0 | 17 | | |
| IL State U. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 48 | | |
| Institute for Clinical Social Work | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | | |
| Loyola U. Chicago | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 25 | 7 | 106 | | |
| Lutheran School of Theology Chicago | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | |
| National-Louis U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | |
| Northern IL U. | 0 | 0 | 2 | 4 | 4 | 0 | 0 | 20 | 9 | 62 | | |
| Northwestern U. | 4 | 2 | 12 | 33 | 20 | 13 | 0 | 15 | 31 | 99 | | |
| Roosevelt U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|---------------------------------------|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| Rush U. | 265 | 31 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 |
| Southern IL U. Carbondale | 124 | 126 | 57 | 5 | 0 | 0 | 1 | 0 | 4 | 11 | 1 | 10 |
| U. Chicago | 32 | 332 | 214 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | 43 |
| U. IL Chicago | 53 | 225 | 149 | 31 | 3 | 3 | 3 | 8 | 14 | 41 | 0 | 41 |
| U. IL Springfield | 320 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. IL Urbana-Champaign | 4 | 618 | 439 | 146 | 13 | 19 | 55 | 24 | 35 | 114 | 31 | 83 |
| Indiana | 11 | 1,082 | 655 | 176 | 32 | 23 | 46 | 27 | 48 | 123 | 26 | 97 |
| Ball State U. | 248 | 49 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IN State U. | 226 | 50 | 17 | 3 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 4 |
| IN U. Bloomington | 45 | 381 | 164 | 1 | 0 | 0 | 0 | 0 | 1 | 31 | 0 | 31 |
| IN U.-Purdue U. Indianapolis | 356 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Purdue U. main campus | 11 | 464 | 357 | 136 | 20 | 21 | 36 | 18 | 41 | 71 | 26 | 45 |
| U. of Notre Dame | 78 | 135 | 104 | 36 | 12 | 2 | 10 | 9 | 3 | 17 | 0 | 17 |
| Iowa | 27 | 503 | 299 | 64 | 8 | 8 | 18 | 12 | 18 | 108 | 32 | 76 |
| Drake U. | 356 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IA State U. | 40 | 228 | 183 | 44 | 7 | 2 | 15 | 6 | 14 | 73 | 32 | 41 |
| Maharishi U. of Management | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Ambrose U. | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. IA | 72 | 249 | 116 | 20 | 1 | 6 | 3 | 6 | 4 | 35 | 0 | 35 |
| U. Northern IA | 356 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kansas | 28 | 414 | 269 | 29 | 2 | 4 | 5 | 6 | 12 | 91 | 40 | 51 |
| KS State U. | 72 | 145 | 116 | 11 | 0 | 1 | 1 | 2 | 7 | 66 | 40 | 26 |
| U. KS Main Campus | 61 | 243 | 134 | 11 | 2 | 3 | 3 | 1 | 2 | 25 | 0 | 25 |
| Wichita State U. | 219 | 26 | 19 | 7 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 |
| Kentucky | 31 | 372 | 185 | 22 | 5 | 1 | 7 | 3 | 6 | 70 | 8 | 62 |
| Asbury Theological Seminary | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Baptist Theological Seminary | 356 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spalding U. | 356 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. KY | 64 | 209 | 131 | 15 | 2 | 1 | 4 | 3 | 5 | 53 | 8 | 45 |
| U. Louisville | 130 | 82 | 54 | 7 | 3 | 0 | 3 | 0 | 1 | 17 | 0 | 17 |
| Louisiana | 26 | 517 | 287 | 49 | 12 | 12 | 9 | 4 | 12 | 87 | 14 | 73 |
| Grambling State U. | 356 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LA State U. Health Sciences Ctr. | 271 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | | | |
|---------------------------------------|---|-------------|-------|--------------------------|----|-------------------------------|------------|--------------------|-------------|-----|----|
| | Computer sciences | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | Social sciences | Non- S&E | | |
| | | | | Chemistry | 1 | | | | 0 | 20 | |
| Rush U. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 20 |
| Southern IL U. Carbondale | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 21 | 17 | 69 | |
| U. Chicago | 1 | 3 | 10 | 35 | 22 | 13 | 0 | 8 | 114 | 118 | |
| U. IL Chicago | 6 | 0 | 14 | 27 | 19 | 8 | 0 | 13 | 17 | 76 | |
| U. IL Springfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | |
| U. IL Urbana-Champaign | 16 | 6 | 28 | 65 | 44 | 21 | 0 | 21 | 43 | 179 | |
| Indiana | 20 | 8 | 33 | 118 | 85 | 31 | 2 | 61 | 116 | 427 | |
| Ball State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 36 | |
| IN State U. | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 7 | 0 | 33 | |
| IN U. Bloomington | 10 | 3 | 13 | 32 | 22 | 9 | 1 | 23 | 51 | 217 | |
| IN U.-Purdue U. Indianapolis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| Purdue U. main campus | 7 | 4 | 17 | 63 | 50 | 13 | 0 | 18 | 41 | 107 | |
| U. of Notre Dame | 1 | 1 | 3 | 22 | 13 | 9 | 0 | 7 | 17 | 31 | |
| Iowa | 5 | 1 | 23 | 35 | 30 | 5 | 0 | 26 | 37 | 204 | |
| Drake U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | |
| IA State U. | 3 | 1 | 10 | 21 | 17 | 4 | 0 | 11 | 20 | 45 | |
| Maharishi U. of Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| St. Ambrose U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| U. IA | 2 | 0 | 13 | 14 | 13 | 1 | 0 | 15 | 17 | 133 | |
| U. Northern IA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | |
| Kansas | 0 | 5 | 7 | 33 | 23 | 10 | 0 | 61 | 43 | 145 | |
| KS State U. | 0 | 1 | 2 | 10 | 6 | 4 | 0 | 13 | 13 | 29 | |
| U. KS Main Campus | 0 | 4 | 4 | 23 | 17 | 6 | 0 | 37 | 30 | 109 | |
| Wichita State U. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 0 | 7 | |
| Kentucky | 9 | 1 | 6 | 15 | 12 | 3 | 0 | 32 | 30 | 187 | |
| Asbury Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| Southern Baptist Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | |
| Spalding U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | |
| U. KY | 4 | 1 | 6 | 11 | 8 | 3 | 0 | 15 | 26 | 78 | |
| U. Louisville | 5 | 0 | 0 | 4 | 4 | 0 | 0 | 17 | 4 | 28 | |
| Louisiana | 11 | 8 | 11 | 38 | 29 | 9 | 0 | 41 | 42 | 230 | |
| Grambling State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | |
| LA State U. Health Sciences Ctr. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|--|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| LA State U. Shreveport | 265 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 |
| LA State U. and A&M C. | 61 | 211 | 134 | 26 | 9 | 7 | 4 | 3 | 3 | 33 | 14 | 19 |
| LA Tech U. | 242 | 36 | 14 | 10 | 1 | 1 | 2 | 0 | 6 | 0 | 0 | 0 |
| New Orleans Baptist Theological Seminary | 308 | 18 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northwestern State U. | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern U. and A&M C. Baton Rouge | 299 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tulane U. | 119 | 106 | 61 | 6 | 2 | 1 | 1 | 0 | 2 | 23 | 0 | 23 |
| U. LA Lafayette | 242 | 31 | 14 | 2 | 0 | 0 | 2 | 0 | 0 | 6 | 0 | 6 |
| U. LA Monroe | 273 | 15 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| U. New Orleans | 198 | 56 | 25 | 5 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 1 |
| Maine | 51 | 45 | 37 | 7 | 3 | 1 | 0 | 1 | 2 | 9 | 5 | 4 |
| U. ME | 162 | 45 | 37 | 7 | 3 | 1 | 0 | 1 | 2 | 9 | 5 | 4 |
| Maryland | 14 | 953 | 634 | 139 | 7 | 13 | 48 | 26 | 45 | 182 | 9 | 173 |
| Johns Hopkins U., The | 26 | 361 | 224 | 43 | 1 | 5 | 5 | 11 | 21 | 89 | 0 | 89 |
| Loyola C. | 283 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morgan State U. | 299 | 23 | 5 | 5 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 |
| U. MD Baltimore | 156 | 61 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 37 |
| Uniformed Services U. of the Health Sciences | 232 | 19 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 |
| U. MD Baltimore County | 113 | 69 | 64 | 14 | 2 | 0 | 8 | 3 | 1 | 3 | 0 | 3 |
| U. MD College Park | 20 | 410 | 277 | 77 | 4 | 7 | 32 | 12 | 22 | 40 | 8 | 32 |
| U. MD Eastern Shore | 337 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| Massachusetts | 6 | 2,029 | 1,363 | 289 | 41 | 27 | 96 | 32 | 93 | 322 | 9 | 313 |
| American International C. | 320 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Boston C. | 132 | 132 | 53 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 6 |
| Boston U. | 52 | 255 | 155 | 18 | 0 | 0 | 6 | 0 | 12 | 54 | 0 | 54 |
| Brandeis U. | 121 | 91 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 17 |
| Clark U. | 219 | 21 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Harvard U. | 17 | 550 | 312 | 8 | 0 | 0 | 2 | 1 | 5 | 108 | 0 | 108 |
| MA C. of Pharmacy and Health Sciences | 345 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MA Institute of Technology | 6 | 440 | 402 | 181 | 23 | 17 | 49 | 28 | 64 | 38 | 0 | 38 |
| New England Conservatory of Music | 356 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northeastern U. | 106 | 84 | 73 | 27 | 1 | 0 | 19 | 3 | 4 | 10 | 0 | 10 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean | | | Physical sciences | | | | | | Social sciences | Non- S&E | | |
|--|--------------------------------|-----------|-------------|-------------------|-----------|------------------|-------------------------------|------------|-----|--------------------|-------------|--|--|
| | Computer sciences | and ocean | Mathematics | Total | Physics | | Other physical sciences | Psychology | | | | | |
| | | | | | Chemistry | and astronomy | | | | | | | |
| LA State U. Shreveport | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| LA State U. and A&M C. | 5 | 7 | 5 | 18 | 15 | 3 | 0 | 23 | 17 | 77 | | | |
| LA Tech U. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 22 | | | |
| New Orleans Baptist Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 14 | | | |
| Northwestern State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| Southern U. and A&M C. Baton Rouge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | | | |
| Tulane U. | 3 | 1 | 2 | 12 | 7 | 5 | 0 | 2 | 12 | 45 | | | |
| U. LA Lafayette | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | | | |
| U. LA Monroe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | | | |
| U. New Orleans | 0 | 0 | 0 | 8 | 7 | 1 | 0 | 3 | 8 | 31 | | | |
| Maine | 1 | 4 | 0 | 6 | 5 | 1 | 0 | 9 | 1 | 8 | | | |
| U. ME | 1 | 4 | 0 | 6 | 5 | 1 | 0 | 9 | 1 | 8 | | | |
| Maryland | 29 | 21 | 23 | 70 | 30 | 40 | 0 | 60 | 110 | 319 | | | |
| Johns Hopkins U., The | 7 | 5 | 7 | 29 | 13 | 16 | 0 | 5 | 39 | 137 | | | |
| Loyola C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | | | |
| Morgan State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | | | |
| U. MD Baltimore | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 22 | | | |
| Uniformed Services U. of the Health Sciences | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | | | |
| U. MD Baltimore County | 4 | 0 | 4 | 3 | 1 | 2 | 0 | 15 | 21 | 5 | | | |
| U. MD College Park | 18 | 15 | 12 | 36 | 14 | 22 | 0 | 29 | 50 | 133 | | | |
| U. MD Eastern Shore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Massachusetts | 50 | 42 | 58 | 218 | 121 | 95 | 2 | 82 | 302 | 666 | | | |
| American International C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | | | |
| Boston C. | 0 | 1 | 0 | 16 | 14 | 2 | 0 | 14 | 15 | 79 | | | |
| Boston U. | 5 | 5 | 9 | 14 | 5 | 8 | 1 | 15 | 35 | 100 | | | |
| Brandeis U. | 4 | 0 | 4 | 8 | 5 | 3 | 0 | 0 | 27 | 31 | | | |
| Clark U. | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 3 | 12 | 2 | | | |
| Harvard U. | 5 | 11 | 15 | 55 | 26 | 28 | 1 | 10 | 100 | 238 | | | |
| MA C. of Pharmacy and Health Sciences | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | | | |
| MA Institute of Technology | 22 | 22 | 22 | 60 | 24 | 36 | 0 | 0 | 57 | 38 | | | |
| New England Conservatory of Music | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | | |
| Northeastern U. | 2 | 0 | 5 | 11 | 9 | 2 | 0 | 3 | 15 | 11 | | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|--|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| | | | | | | | | | | | | |
| Simmons C. | 356 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Smith C. | 345 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Springfield C. (Springfield, MA) | 356 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Suffolk U. | 292 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tufts U. | 110 | 85 | 67 | 6 | 1 | 2 | 3 | 0 | 0 | 30 | 0 | 30 |
| U. MA Amherst | 66 | 214 | 127 | 26 | 12 | 1 | 10 | 0 | 3 | 28 | 9 | 19 |
| U. MA Boston | 219 | 30 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| U. MA Dartmouth | 345 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| U. MA Lowell | 198 | 53 | 25 | 11 | 3 | 4 | 3 | 0 | 1 | 2 | 0 | 2 |
| U. MA Worcester | 210 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 22 |
| Worcester Polytechnic Institute | 226 | 17 | 17 | 10 | 1 | 3 | 3 | 0 | 3 | 1 | 0 | 1 |
| Michigan | 9 | 1,422 | 954 | 248 | 27 | 16 | 65 | 45 | 95 | 200 | 39 | 161 |
| Andrews U. | 308 | 34 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Calvin C. | 356 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central MI U. | 236 | 18 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern MI U. | 356 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MI State U. | 23 | 385 | 252 | 33 | 3 | 3 | 11 | 5 | 11 | 83 | 34 | 49 |
| MI Technological U. | 162 | 38 | 37 | 25 | 6 | 2 | 2 | 4 | 11 | 3 | 2 | 1 |
| Oakland U. | 265 | 20 | 11 | 10 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 |
| U. Detroit Mercy | 248 | 13 | 13 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. MI Ann Arbor | 5 | 615 | 426 | 146 | 14 | 6 | 45 | 27 | 54 | 74 | 2 | 72 |
| Wayne State U. | 63 | 193 | 132 | 30 | 4 | 4 | 7 | 5 | 10 | 37 | 1 | 36 |
| Western MI U. | 113 | 86 | 64 | 3 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 |
| Minnesota | 18 | 741 | 425 | 82 | 11 | 6 | 17 | 20 | 28 | 107 | 19 | 88 |
| Hamline U. | 292 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Luther Seminary | 356 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mayo School of Health-Related Sciences | 201 | 24 | 24 | 2 | 0 | 0 | 0 | 0 | 2 | 22 | 0 | 22 |
| St. Mary's U. MN | 356 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. MN Twin Cities | 12 | 561 | 351 | 77 | 11 | 6 | 17 | 20 | 23 | 85 | 19 | 66 |
| U. of St. Thomas (St. Paul, MN) | 356 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Walden U. | 150 | 117 | 44 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Mississippi | 33 | 340 | 140 | 16 | 4 | 2 | 4 | 1 | 5 | 36 | 11 | 25 |
| Delta State U. | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean | | | Physical sciences | | | | | Social sciences | | Non-S&E | |
|--|-----------------------------|-----------|-------------|-------------------|-----------------------|-----------|-------------------------|------------|-----------------|-----|---------|--|
| | Computer sciences | and ocean | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | Social sciences | S&E | | |
| | | | | | Chemistry | Astronomy | | | | | | |
| Simmons C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | |
| Smith C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | |
| Springfield C. (Springfield, MA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | |
| Suffolk U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | |
| Tufts U. | 1 | 0 | 1 | 10 | 7 | 3 | 0 | 3 | 16 | 18 | | |
| U. MA Amherst | 7 | 1 | 2 | 28 | 21 | 7 | 0 | 14 | 21 | 87 | | |
| U. MA Boston | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 10 | 3 | 11 | | |
| U. MA Dartmouth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| U. MA Lowell | 1 | 0 | 0 | 11 | 6 | 5 | 0 | 0 | 0 | 28 | | |
| U. MA Worcester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Worcester Polytechnic Institute | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | | |
| Michigan | 17 | 15 | 50 | 123 | 74 | 48 | 1 | 128 | 173 | 468 | | |
| Andrews U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 30 | | |
| Calvin C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | |
| Central MI U. | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 12 | 0 | 3 | | |
| Eastern MI U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | | |
| MI State U. | 7 | 3 | 12 | 33 | 22 | 11 | 0 | 29 | 52 | 133 | | |
| MI Technological U. | 2 | 1 | 2 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | |
| Oakland U. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | |
| U. Detroit Mercy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 0 | | |
| U. MI Ann Arbor | 4 | 9 | 26 | 59 | 34 | 24 | 1 | 26 | 82 | 189 | | |
| Wayne State U. | 3 | 0 | 1 | 24 | 16 | 8 | 0 | 22 | 15 | 61 | | |
| Western MI U. | 1 | 2 | 6 | 2 | 0 | 2 | 0 | 24 | 23 | 22 | | |
| Minnesota | 19 | 8 | 14 | 52 | 29 | 22 | 1 | 79 | 64 | 316 | | |
| Hamline U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | | |
| Luther Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| Mayo School of Health-Related Sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| St. Mary's U. MN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | |
| U. MN Twin Cities | 18 | 8 | 14 | 52 | 29 | 22 | 1 | 40 | 57 | 210 | | |
| U. of St. Thomas (St. Paul, MN) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | |
| Walden U. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 1 | 73 | | |
| Mississippi | 7 | 3 | 6 | 22 | 20 | 1 | 1 | 29 | 21 | 200 | | |
| Delta State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E | All | Total | Engineering | | | | | Biological and agricultural sciences | | | |
|-------------------------------------|------|--------|-------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | rank | fields | S&E | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| Jackson State U. | 308 | 31 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MS State U. | 148 | 92 | 46 | 10 | 1 | 0 | 4 | 0 | 5 | 17 | 11 | 6 |
| Reformed Theological Seminary | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. MS main campus | 169 | 83 | 35 | 4 | 1 | 2 | 0 | 1 | 0 | 5 | 0 | 5 |
| U. MS Medical Ctr. | 279 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 8 |
| U. Southern MS | 146 | 117 | 47 | 2 | 2 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| Missouri | 19 | 734 | 435 | 87 | 12 | 12 | 21 | 12 | 30 | 136 | 20 | 116 |
| Concordia Seminary | 356 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Louis U. main campus | 201 | 107 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| U. MO-Columbia | 43 | 275 | 166 | 26 | 1 | 3 | 13 | 3 | 6 | 50 | 20 | 30 |
| U. MO-Kansas City | 197 | 62 | 26 | 3 | 0 | 1 | 2 | 0 | 0 | 3 | 0 | 3 |
| U. MO-Rolla | 137 | 51 | 51 | 40 | 5 | 7 | 3 | 6 | 19 | 1 | 0 | 1 |
| U. MO-St. Louis | 214 | 45 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Washington U. St. Louis | 55 | 191 | 147 | 18 | 6 | 1 | 3 | 3 | 5 | 75 | 0 | 75 |
| Montana | 47 | 74 | 51 | 3 | 2 | 0 | 1 | 0 | 0 | 23 | 9 | 14 |
| MT State U. Bozeman | 187 | 41 | 28 | 3 | 2 | 0 | 1 | 0 | 0 | 12 | 4 | 8 |
| U. MT, The | 206 | 33 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 5 | 6 |
| Nebraska | 35 | 303 | 184 | 17 | 0 | 4 | 5 | 1 | 7 | 84 | 28 | 56 |
| Creighton U. | 256 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 |
| U. NE Lincoln | 54 | 255 | 148 | 17 | 0 | 4 | 5 | 1 | 7 | 56 | 28 | 28 |
| U. NE Medical Ctr. | 226 | 23 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 16 |
| U. NE Omaha | 283 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nevada | 41 | 133 | 77 | 13 | 1 | 6 | 2 | 2 | 2 | 20 | 0 | 20 |
| U. NV, Las Vegas | 279 | 38 | 8 | 3 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 2 |
| U. NV, Reno | 107 | 95 | 69 | 10 | 1 | 4 | 2 | 2 | 1 | 18 | 0 | 18 |
| New Hampshire | 44 | 122 | 100 | 11 | 1 | 2 | 1 | 2 | 5 | 46 | 0 | 46 |
| Dartmouth C. | 113 | 67 | 64 | 8 | 0 | 0 | 1 | 2 | 5 | 31 | 0 | 31 |
| Southern NH U. | 356 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. NH | 167 | 54 | 36 | 3 | 1 | 2 | 0 | 0 | 0 | 15 | 0 | 15 |
| New Jersey | 15 | 899 | 584 | 135 | 21 | 17 | 40 | 18 | 39 | 119 | 13 | 106 |
| Drew U. | 292 | 50 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fairleigh Dickinson U. all campuses | 265 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean | | | Physical sciences | | | | | | | | |
|-------------------------------------|-----------------------------|-----------|-------------|-------------------|-----------------------|-----------|-------------------------|------------|-----------------|---------|----|--|
| | Computer sciences | and ocean | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | Social sciences | Non-S&E | | |
| | | | | | Chemistry | astronomy | | | | | | |
| Jackson State U. | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 27 | |
| MS State U. | 1 | 1 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 11 | 46 | |
| Reformed Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| U. MS main campus | 3 | 1 | 2 | 3 | 2 | 1 | 0 | 12 | 5 | 48 | | |
| U. MS Medical Ctr. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |
| U. Southern MS | 3 | 0 | 1 | 14 | 13 | 0 | 1 | 17 | 4 | 70 | | |
| Missouri | 10 | 11 | 11 | 43 | 29 | 14 | 0 | 64 | 73 | 299 | | |
| Concordia Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| St. Louis U. main campus | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 12 | 5 | 83 | | |
| U. MO-Columbia | 3 | 4 | 3 | 16 | 10 | 6 | 0 | 25 | 39 | 109 | | |
| U. MO-Kansas City | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 9 | 6 | 36 | | |
| U. MO-Rolla | 1 | 4 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | |
| U. MO-St. Louis | 0 | 0 | 0 | 6 | 5 | 1 | 0 | 7 | 6 | 24 | | |
| Washington U. St. Louis | 6 | 2 | 2 | 16 | 11 | 5 | 0 | 11 | 17 | 44 | | |
| Montana | 1 | 0 | 6 | 10 | 6 | 4 | 0 | 8 | 0 | 23 | | |
| MT State U. Bozeman | 1 | 0 | 6 | 6 | 2 | 4 | 0 | 0 | 0 | 13 | | |
| U. MT, The | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 8 | 0 | 10 | | |
| Nebraska | 2 | 3 | 4 | 14 | 7 | 7 | 0 | 34 | 26 | 119 | | |
| Creighton U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| U. NE Lincoln | 2 | 3 | 4 | 13 | 6 | 7 | 0 | 34 | 19 | 107 | | |
| U. NE Medical Ctr. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | |
| U. NE Omaha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | | |
| Nevada | 0 | 9 | 0 | 10 | 6 | 4 | 0 | 17 | 8 | 56 | | |
| U. NV, Las Vegas | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 30 | | |
| U. NV, Reno | 0 | 8 | 0 | 9 | 6 | 3 | 0 | 17 | 7 | 26 | | |
| New Hampshire | 5 | 8 | 3 | 18 | 10 | 7 | 1 | 7 | 2 | 22 | | |
| Dartmouth C. | 4 | 5 | 3 | 11 | 6 | 5 | 0 | 2 | 0 | 3 | | |
| Southern NH U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| U. NH | 1 | 3 | 0 | 7 | 4 | 2 | 1 | 5 | 2 | 18 | | |
| New Jersey | 20 | 19 | 41 | 83 | 47 | 36 | 0 | 55 | 112 | 315 | | |
| Drew U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 44 | | |
| Fairleigh Dickinson U. all campuses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|---|----------|------------|-----------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| NJ Institute of Technology | 153 | 42 | 42 | 24 | 3 | 5 | 10 | 4 | 2 | 0 | 0 | 0 |
| Princeton Theological Seminary | 356 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Princeton U. | 41 | 258 | 180 | 44 | 12 | 3 | 20 | 3 | 6 | 26 | 0 | 26 |
| Rutgers, The State U. NJ New Brunswick Campus | 25 | 338 | 227 | 47 | 3 | 5 | 7 | 7 | 25 | 51 | 13 | 38 |
| Rutgers, The State U. NJ Newark Campus | 162 | 49 | 37 | 1 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 8 |
| Seton Hall U. | 226 | 72 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stevens Institute of Technology | 186 | 32 | 29 | 19 | 3 | 4 | 3 | 4 | 5 | 0 | 0 | 0 |
| U. of Medicine and Dentistry NJ | 169 | 35 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 34 |
| New Mexico | 36 | 254 | 163 | 29 | 3 | 2 | 13 | 4 | 7 | 43 | 11 | 32 |
| NM Institute of Mining and Technology | 292 | 7 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NM State U. Main Campus | 137 | 80 | 51 | 11 | 0 | 0 | 5 | 2 | 4 | 17 | 11 | 6 |
| U. NM all campuses | 76 | 167 | 106 | 17 | 2 | 2 | 8 | 2 | 3 | 26 | 0 | 26 |
| New York | 2 | 3,413 | 2,131 | 300 | 27 | 33 | 88 | 53 | 99 | 588 | 69 | 519 |
| Adelphi U. | 206 | 30 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Albany Medical C. | 242 | 14 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 14 |
| Alfred U. main campus | 273 | 9 | 9 | 8 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 |
| CUNY Graduate Ctr. | 51 | 273 | 156 | 11 | 1 | 0 | 8 | 2 | 0 | 29 | 0 | 29 |
| Clarkson U. | 242 | 14 | 14 | 8 | 2 | 1 | 2 | 2 | 1 | 0 | 0 | 0 |
| Columbia U. in the City of NY | 34 | 380 | 203 | 31 | 4 | 5 | 9 | 5 | 8 | 46 | 0 | 46 |
| Cornell U. Endowed Colleges | 15 | 411 | 336 | 66 | 7 | 9 | 16 | 9 | 25 | 114 | 56 | 58 |
| Cornell U. Medical Campus | 206 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 23 |
| Fordham U. | 181 | 81 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| Hofstra U. | 210 | 34 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jewish Theological Seminary of America | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Juilliard School | 356 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long Island U. Brooklyn Campus | 236 | 16 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Long Island U. C. W. Post Campus | 320 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mt. Sinai School of Medicine | 187 | 28 | 28 | 1 | 0 | 0 | 0 | 0 | 1 | 27 | 0 | 27 |
| NY Medical C. | 292 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| NY U. | 44 | 371 | 165 | 1 | 0 | 0 | 1 | 0 | 0 | 50 | 0 | 50 |
| New School U. | 141 | 66 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pace U. New York Campus | 356 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polytechnic U. | 201 | 24 | 24 | 16 | 2 | 4 | 6 | 2 | 2 | 1 | 0 | 1 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | Social sciences | Non-S&E | | |
|---|---|-------------|-------|-------------------|-----------------------|-----|-------------------------|------------|-----------------|---------|--|--|
| | Computer sciences | | | Total | Physics and astronomy | | Other physical sciences | Psychology | | | | |
| | | Mathematics | Total | Chemistry | Physics and astronomy | | | | | | | |
| NJ Institute of Technology | 4 | 4 | 3 | 7 | 3 | 4 | 0 | 0 | 0 | 0 | | |
| Princeton Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | | |
| Princeton U. | 6 | 4 | 22 | 34 | 17 | 17 | 0 | 5 | 39 | 78 | | |
| Rutgers, The State U. NJ New Brunswick Campus | 9 | 11 | 9 | 28 | 17 | 11 | 0 | 23 | 49 | 111 | | |
| Rutgers, The State U. NJ Newark Campus | 0 | 0 | 2 | 4 | 4 | 0 | 0 | 3 | 19 | 12 | | |
| Seton Hall U. | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 12 | 0 | 55 | | |
| Stevens Institute of Technology | 1 | 0 | 5 | 4 | 0 | 4 | 0 | 0 | 0 | 3 | | |
| U. of Medicine and Dentistry NJ | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | |
| New Mexico | 5 | 4 | 8 | 33 | 11 | 22 | 0 | 14 | 27 | 91 | | |
| NM Institute of Mining and Technology | 0 | 2 | 0 | 3 | 1 | 2 | 0 | 0 | 0 | 1 | | |
| NM State U. Main Campus | 1 | 0 | 1 | 16 | 5 | 11 | 0 | 5 | 0 | 29 | | |
| U. NM all campuses | 4 | 2 | 7 | 14 | 5 | 9 | 0 | 9 | 27 | 61 | | |
| New York | 81 | 44 | 93 | 257 | 134 | 119 | 4 | 335 | 433 | 1,282 | | |
| Adelphi U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 7 | | |
| Albany Medical C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Alfred U. main campus | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| CUNY Graduate Ctr. | 5 | 0 | 6 | 25 | 15 | 10 | 0 | 45 | 35 | 117 | | |
| Clarkson U. | 0 | 1 | 0 | 5 | 1 | 4 | 0 | 0 | 0 | 0 | | |
| Columbia U. in the City of NY | 11 | 12 | 13 | 19 | 7 | 12 | 0 | 3 | 68 | 177 | | |
| Cornell U. Endowed Colleges | 10 | 10 | 21 | 44 | 22 | 22 | 0 | 9 | 62 | 75 | | |
| Cornell U. Medical Campus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Fordham U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 7 | 50 | | |
| Hofstra U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 12 | | |
| Jewish Theological Seminary of America | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | |
| Juilliard School | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | |
| Long Island U. Brooklyn Campus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 1 | | |
| Long Island U. C. W. Post Campus | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Mt. Sinai School of Medicine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NY Medical C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NY U. | 6 | 0 | 13 | 12 | 5 | 7 | 0 | 22 | 61 | 206 | | |
| New School U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 29 | 16 | | |
| Pace U. New York Campus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | | |
| Polytechnic U. | 2 | 0 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|---|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| Rensselaer Polytechnic Institute | 70 | 136 | 121 | 73 | 9 | 4 | 21 | 17 | 22 | 3 | 0 | 3 |
| Rochester Institute of Technology | 292 | 6 | 6 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| Rockefeller U. | 184 | 31 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 28 |
| SUNY Albany | 80 | 157 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 |
| SUNY Binghamton | 159 | 81 | 38 | 2 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 4 |
| SUNY Buffalo | 57 | 264 | 142 | 26 | 2 | 7 | 2 | 6 | 9 | 31 | 0 | 31 |
| SUNY C. of Environmental Science & Forestry | 184 | 31 | 30 | 1 | 0 | 0 | 0 | 0 | 1 | 20 | 13 | 7 |
| SUNY C. of Optometry | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SUNY Health Science Ctr. Brooklyn | 283 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| SUNY Stony Brook main campus | 37 | 265 | 191 | 25 | 0 | 0 | 6 | 6 | 13 | 51 | 0 | 51 |
| SUNY Upstate Medical U. | 279 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| St. John's U. (Jamaica, NY) | 193 | 48 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| Syracuse U. main campus | 97 | 114 | 78 | 14 | 0 | 3 | 9 | 2 | 0 | 5 | 0 | 5 |
| Teachers C. Columbia U. | 172 | 188 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Union Theological Seminary | 356 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Rochester | 66 | 192 | 127 | 15 | 0 | 0 | 6 | 2 | 7 | 52 | 0 | 52 |
| Yeshiva U. | 109 | 76 | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 49 |
| North Carolina | 10 | 1,107 | 723 | 146 | 14 | 27 | 29 | 20 | 56 | 271 | 30 | 241 |
| Appalachian State U. | 356 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duke U. | 46 | 220 | 163 | 28 | 0 | 1 | 8 | 4 | 15 | 60 | 0 | 60 |
| East Carolina U. | 283 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| Fayetteville State U. | 356 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NC Agricultural and Technical State U. | 320 | 3 | 3 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| NC State U. | 21 | 322 | 268 | 92 | 14 | 18 | 17 | 10 | 33 | 82 | 30 | 52 |
| Southeastern Baptist Theological Seminary | 356 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. NC Chapel Hill | 27 | 409 | 223 | 15 | 0 | 8 | 1 | 0 | 6 | 90 | 0 | 90 |
| U. NC Charlotte | 265 | 20 | 11 | 7 | 0 | 0 | 2 | 5 | 0 | 2 | 0 | 2 |
| U. NC Greensboro | 248 | 69 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Wake Forest U. | 169 | 35 | 35 | 1 | 0 | 0 | 0 | 0 | 1 | 28 | 0 | 28 |
| North Dakota | 46 | 90 | 66 | 5 | 0 | 1 | 1 | 0 | 3 | 22 | 8 | 14 |
| ND State U. main campus | 174 | 33 | 33 | 5 | 0 | 1 | 1 | 0 | 3 | 13 | 8 | 5 |
| U. ND main campus | 174 | 57 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 |
| Ohio | 8 | 1,589 | 989 | 238 | 46 | 19 | 54 | 36 | 83 | 272 | 30 | 242 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Total | Physical sciences | | | | Social sciences | Non-S&E |
|---|---|-------------|-------------------------|-------|-------------------|-------------------------|---|-----|-----------------|---------|
| | Computer sciences | Mathematics | Chemistry and astronomy | | Physics | Other physical sciences | | | | |
| | | | | | Psychology | | | | | |
| Rensselaer Polytechnic Institute | 9 | 2 | 9 | 12 | 6 | 6 | 0 | 0 | 13 | 15 |
| Rochester Institute of Technology | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 |
| Rockefeller U. | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 1 |
| SUNY Albany | 6 | 4 | 1 | 10 | 4 | 6 | 0 | 33 | 36 | 55 |
| SUNY Binghamton | 3 | 1 | 4 | 4 | 4 | 0 | 0 | 8 | 12 | 43 |
| SUNY Buffalo | 5 | 1 | 1 | 28 | 21 | 7 | 0 | 13 | 37 | 122 |
| SUNY C. of Environmental Science & Forestry | 0 | 3 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 1 |
| SUNY C. of Optometry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| SUNY Health Science Ctr. Brooklyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| SUNY Stony Brook main campus | 10 | 8 | 19 | 40 | 15 | 25 | 0 | 18 | 20 | 74 |
| SUNY Upstate Medical U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| St. John's U. (Jamaica, NY) | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 16 | 0 | 21 |
| Syracuse U. main campus | 5 | 0 | 2 | 9 | 6 | 3 | 0 | 11 | 32 | 36 |
| Teachers C. Columbia U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 7 | 154 |
| Union Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| U. Rochester | 6 | 1 | 3 | 29 | 13 | 16 | 0 | 8 | 13 | 65 |
| Yeshiva U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 1 | 8 |
| North Carolina | 24 | 15 | 46 | 94 | 61 | 31 | 2 | 46 | 81 | 384 |
| Appalachian State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Duke U. | 6 | 4 | 11 | 20 | 12 | 8 | 0 | 10 | 24 | 57 |
| East Carolina U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Fayetteville State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| NC Agricultural and Technical State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NC State U. | 4 | 3 | 27 | 26 | 14 | 10 | 2 | 10 | 24 | 54 |
| Southeastern Baptist Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| U. NC Chapel Hill | 13 | 8 | 7 | 42 | 32 | 10 | 0 | 15 | 33 | 186 |
| U. NC Charlotte | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| U. NC Greensboro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 56 |
| Wake Forest U. | 0 | 0 | 0 | 6 | 3 | 3 | 0 | 0 | 0 | 0 |
| North Dakota | 3 | 1 | 1 | 19 | 17 | 2 | 0 | 15 | 0 | 24 |
| ND State U. main campus | 3 | 0 | 1 | 11 | 10 | 1 | 0 | 0 | 0 | 0 |
| U. ND main campus | 0 | 1 | 0 | 8 | 7 | 1 | 0 | 15 | 0 | 24 |
| Ohio | 13 | 22 | 30 | 165 | 106 | 57 | 2 | 135 | 114 | 600 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|--|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| Air Force Institute of Technology | 248 | 13 | 13 | 11 | 0 | 0 | 5 | 0 | 6 | 0 | 0 | 0 |
| Antioch U. all campuses | 308 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bowling Green State U. main campus | 141 | 88 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 |
| Case Western Reserve U. | 68 | 165 | 125 | 47 | 7 | 1 | 6 | 9 | 24 | 45 | 0 | 45 |
| Cleveland Institute of Music | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cleveland State U. | 219 | 35 | 19 | 10 | 0 | 1 | 1 | 2 | 6 | 5 | 0 | 5 |
| Hebrew Union C.-Jewish Institute of Religion | 356 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kent State U. main campus | 123 | 123 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 16 |
| Medical C. OH | 256 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 |
| Miami U. Oxford | 181 | 43 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| OH State U. main campus | 13 | 575 | 350 | 60 | 7 | 7 | 18 | 8 | 20 | 115 | 30 | 85 |
| OH U. main campus | 141 | 109 | 50 | 11 | 4 | 0 | 2 | 2 | 3 | 15 | 0 | 15 |
| U. Akron main campus | 103 | 82 | 74 | 25 | 17 | 4 | 2 | 1 | 1 | 2 | 0 | 2 |
| U. Cincinnati main campus | 59 | 232 | 137 | 43 | 9 | 5 | 11 | 8 | 10 | 33 | 0 | 33 |
| U. Dayton | 236 | 21 | 15 | 12 | 0 | 0 | 3 | 3 | 6 | 1 | 0 | 1 |
| U. Toledo | 159 | 65 | 38 | 14 | 2 | 1 | 4 | 2 | 5 | 4 | 0 | 4 |
| Wright State U. main campus | 248 | 13 | 13 | 5 | 0 | 0 | 2 | 1 | 2 | 7 | 0 | 7 |
| Youngstown State U. | 356 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma | 32 | 360 | 190 | 39 | 7 | 5 | 10 | 7 | 10 | 43 | 17 | 26 |
| OK State U. main campus | 84 | 182 | 96 | 15 | 2 | 0 | 8 | 1 | 4 | 27 | 17 | 10 |
| U. OK Norman Campus | 97 | 158 | 78 | 18 | 1 | 5 | 2 | 5 | 5 | 16 | 0 | 16 |
| U. Tulsa | 232 | 20 | 16 | 6 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Oregon | 29 | 383 | 256 | 32 | 2 | 5 | 10 | 3 | 12 | 94 | 31 | 63 |
| OR Health and Science U. | 201 | 26 | 24 | 3 | 0 | 1 | 2 | 0 | 0 | 19 | 0 | 19 |
| OR State U. | 65 | 169 | 128 | 23 | 2 | 4 | 5 | 2 | 10 | 62 | 30 | 32 |
| Portland State U. | 201 | 32 | 24 | 6 | 0 | 0 | 3 | 1 | 2 | 1 | 1 | 0 |
| U. OR | 96 | 156 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 |
| Pennsylvania | 7 | 2,013 | 1,219 | 355 | 61 | 36 | 65 | 54 | 139 | 277 | 21 | 256 |
| Bryn Mawr C. | 279 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Carnegie-Mellon U. | 58 | 163 | 141 | 81 | 19 | 7 | 25 | 11 | 19 | 6 | 0 | 6 |
| Drexel U. | 97 | 90 | 78 | 35 | 3 | 9 | 9 | 4 | 10 | 18 | 0 | 18 |
| Duquesne U. | 225 | 34 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| Gannon U. | 337 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Total | Physical sciences | | | Psychology | Social sciences | Non-S&E | | | | |
|--|---|-------------|-----------|-------|-----------------------|-------------------------|---|------------|-----------------|---------|--|--|--|--|
| | Computer sciences | | | | Physics and astronomy | Other physical sciences | | | | | | | | |
| | | Mathematics | Chemistry | | | | | | | | | | | |
| Air Force Institute of Technology | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | | | | |
| Antioch U. all campuses | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | | |
| Bowling Green State U. main campus | 0 | 0 | 2 | 10 | 10 | 0 | 0 | 19 | 9 | 38 | | | | |
| Case Western Reserve U. | 4 | 0 | 4 | 16 | 11 | 5 | 0 | 1 | 8 | 40 | | | | |
| Cleveland Institute of Music | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| Cleveland State U. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 16 | | | | |
| Hebrew Union C.-Jewish Institute of Religion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | | | |
| Kent State U. main campus | 0 | 1 | 1 | 13 | 9 | 4 | 0 | 19 | 8 | 65 | | | | |
| Medical C. OH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Miami U. Oxford | 0 | 1 | 0 | 4 | 4 | 0 | 0 | 14 | 5 | 12 | | | | |
| OH State U. main campus | 6 | 13 | 14 | 59 | 30 | 29 | 0 | 26 | 57 | 225 | | | | |
| OH U. main campus | 0 | 0 | 2 | 7 | 3 | 4 | 0 | 15 | 0 | 59 | | | | |
| U. Akron main campus | 0 | 0 | 0 | 24 | 19 | 4 | 1 | 18 | 5 | 8 | | | | |
| U. Cincinnati main campus | 2 | 4 | 5 | 19 | 14 | 5 | 0 | 13 | 18 | 95 | | | | |
| U. Dayton | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 6 | | | | |
| U. Toledo | 0 | 0 | 1 | 8 | 4 | 4 | 0 | 10 | 1 | 27 | | | | |
| Wright State U. main campus | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Youngstown State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | | | | |
| Oklahoma | 1 | 19 | 4 | 21 | 15 | 6 | 0 | 42 | 21 | 170 | | | | |
| OK State U. main campus | 1 | 9 | 2 | 12 | 10 | 2 | 0 | 21 | 9 | 86 | | | | |
| U. OK Norman Campus | 0 | 7 | 2 | 9 | 5 | 4 | 0 | 14 | 12 | 80 | | | | |
| U. Tulsa | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 4 | | | | |
| Oregon | 7 | 13 | 8 | 26 | 14 | 12 | 0 | 19 | 57 | 127 | | | | |
| OR Health and Science U. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | | | |
| OR State U. | 1 | 7 | 2 | 18 | 12 | 6 | 0 | 2 | 13 | 41 | | | | |
| Portland State U. | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 3 | 9 | 8 | | | | |
| U. OR | 3 | 3 | 5 | 8 | 2 | 6 | 0 | 14 | 35 | 76 | | | | |
| Pennsylvania | 58 | 28 | 52 | 134 | 89 | 43 | 2 | 142 | 173 | 794 | | | | |
| Bryn Mawr C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 7 | | | | |
| Carnegie-Mellon U. | 19 | 0 | 9 | 13 | 5 | 8 | 0 | 3 | 10 | 22 | | | | |
| Drexel U. | 3 | 1 | 1 | 8 | 6 | 2 | 0 | 12 | 0 | 12 | | | | |
| Duquesne U. | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 13 | 0 | 16 | | | | |
| Gannon U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | | | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|--|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| Indiana U. PA main campus | 265 | 66 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lehigh U. | 97 | 98 | 78 | 47 | 15 | 9 | 4 | 8 | 11 | 8 | 0 | 8 |
| Marywood U. | 256 | 14 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PA State U. main campus | 9 | 550 | 377 | 129 | 12 | 10 | 18 | 23 | 66 | 91 | 21 | 70 |
| Temple U. | 110 | 167 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 14 |
| Thomas Jefferson U. | 214 | 21 | 21 | 1 | 0 | 0 | 0 | 0 | 1 | 20 | 0 | 20 |
| U. PA | 31 | 384 | 217 | 32 | 6 | 0 | 3 | 4 | 19 | 73 | 0 | 73 |
| U. Pittsburgh main campus | 38 | 348 | 185 | 30 | 6 | 1 | 6 | 4 | 13 | 43 | 0 | 43 |
| U. of the Sciences Philadelphia | 320 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Villanova U. | 345 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Westminster Theological Seminary | 356 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Widener U. PA Campus | 356 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhode Island | 37 | 215 | 142 | 18 | 3 | 0 | 5 | 2 | 8 | 31 | 2 | 29 |
| Brown U. | 84 | 143 | 96 | 10 | 0 | 0 | 2 | 2 | 6 | 23 | 0 | 23 |
| Salve Regina U. | 356 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. RI | 148 | 69 | 46 | 8 | 3 | 0 | 3 | 0 | 2 | 8 | 2 | 6 |
| South Carolina | 30 | 376 | 181 | 36 | 6 | 5 | 9 | 5 | 11 | 47 | 7 | 40 |
| Clemson U. | 102 | 93 | 76 | 23 | 2 | 2 | 6 | 3 | 10 | 23 | 7 | 16 |
| Medical U. SC | 232 | 19 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 15 |
| SC State U. | 345 | 29 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| U. SC Columbia | 93 | 235 | 88 | 12 | 4 | 3 | 3 | 2 | 0 | 9 | 0 | 9 |
| South Dakota | 48 | 74 | 33 | 5 | 0 | 1 | 0 | 0 | 4 | 13 | 5 | 8 |
| SD School of Mines and Technology | 283 | 7 | 7 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| SD State U. | 256 | 12 | 12 | 1 | 0 | 1 | 0 | 0 | 0 | 8 | 5 | 3 |
| U. SD | 242 | 55 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| Tennessee | 22 | 650 | 340 | 64 | 6 | 4 | 14 | 13 | 27 | 111 | 3 | 108 |
| East TN State U. | 299 | 38 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| Meharry Medical C. | 283 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 |
| Mid-America Baptist Theological Seminary | 356 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle TN State U. | 345 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TN State U. | 256 | 36 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TN Technological U. | 271 | 15 | 10 | 7 | 0 | 1 | 1 | 5 | 0 | 1 | 0 | 1 |
| U. Memphis, The | 154 | 88 | 41 | 4 | 0 | 0 | 1 | 1 | 2 | 6 | 0 | 6 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | Social sciences | Non-S&E | | |
|--|---|-------------|-------|-------------------|-----------------------|-----------------------|-------------------------|----|-----------------|---------|----|--|
| | Computer sciences | | | Total | Physics and astronomy | | Other physical sciences | | | | | |
| | | Mathematics | Total | Chemistry | Physics and astronomy | Physics and astronomy | | | | | | |
| Indiana U. PA main campus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 55 | |
| Lehigh U. | 3 | 1 | 6 | 7 | 4 | 3 | 0 | 0 | 5 | 1 | 20 | |
| Marywood U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 2 | |
| PA State U. main campus | 8 | 19 | 11 | 43 | 24 | 17 | 2 | 35 | 41 | 173 | | |
| Temple U. | 4 | 0 | 6 | 5 | 4 | 1 | 0 | 24 | 14 | 100 | | |
| Thomas Jefferson U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| U. PA | 12 | 4 | 7 | 26 | 20 | 6 | 0 | 7 | 56 | 167 | | |
| U. Pittsburgh main campus | 9 | 3 | 12 | 26 | 20 | 6 | 0 | 28 | 34 | 163 | | |
| U. of the Sciences Philadelphia | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Villanova U. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | |
| Westminster Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | |
| Widener U. PA Campus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 | |
| Rhode Island | 4 | 5 | 19 | 23 | 13 | 10 | 0 | 15 | 27 | 73 | | |
| Brown U. | 4 | 0 | 15 | 21 | 11 | 10 | 0 | 2 | 21 | 47 | | |
| Salve Regina U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| U. RI | 0 | 5 | 4 | 2 | 2 | 0 | 0 | 13 | 6 | 23 | | |
| South Carolina | 2 | 5 | 6 | 40 | 37 | 3 | 0 | 21 | 24 | 195 | | |
| Clemson U. | 1 | 2 | 3 | 15 | 13 | 2 | 0 | 0 | 9 | 17 | | |
| Medical U. SC | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | |
| SC State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | |
| U. SC Columbia | 1 | 3 | 3 | 24 | 23 | 1 | 0 | 21 | 15 | 147 | | |
| South Dakota | 0 | 1 | 0 | 3 | 1 | 0 | 2 | 9 | 2 | 41 | | |
| SD School of Mines and Technology | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | | |
| SD State U. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | | |
| U. SD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 41 | | |
| Tennessee | 9 | 4 | 9 | 35 | 21 | 13 | 1 | 69 | 39 | 310 | | |
| East TN State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | |
| Meharry Medical C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Mid-America Baptist Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |
| Middle TN State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | |
| TN State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 24 | | |
| TN Technological U. | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | |
| U. Memphis, The | 2 | 0 | 2 | 2 | 2 | 0 | 0 | 24 | 1 | 47 | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|---|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| U. TN Health Science Ctr. | 206 | 46 | 23 | 1 | 0 | 0 | 0 | 0 | 1 | 21 | 0 | 21 |
| U. TN Knoxville | 71 | 216 | 117 | 28 | 4 | 3 | 4 | 2 | 15 | 27 | 3 | 24 |
| Vanderbilt U. | 69 | 189 | 124 | 24 | 2 | 0 | 8 | 5 | 9 | 44 | 0 | 44 |
| Texas | 3 | 2,572 | 1,548 | 369 | 59 | 55 | 119 | 49 | 87 | 450 | 67 | 383 |
| Baylor C. of Dentistry | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Baylor C. of Medicine | 124 | 58 | 57 | 2 | 1 | 0 | 0 | 0 | 1 | 55 | 0 | 55 |
| Baylor U. | 242 | 56 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| Dallas Theological Seminary | 356 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lamar U. | 337 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Rice U. | 95 | 105 | 83 | 16 | 5 | 0 | 4 | 1 | 6 | 12 | 0 | 12 |
| Sam Houston State U. | 283 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Methodist U. | 155 | 41 | 40 | 17 | 0 | 0 | 7 | 7 | 3 | 1 | 0 | 1 |
| Southwest TX State U. | 345 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southwestern Baptist Theological Seminary | 337 | 36 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Mary's U. (San Antonio, TX) | 292 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stephen F. Austin State U. | 337 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| TX A&M U. Commerce | 345 | 40 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TX A&M U. Corpus Christi | 356 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TX A&M U. Kingsville | 320 | 23 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| TX A&M U. main campus | 10 | 487 | 361 | 117 | 19 | 17 | 33 | 19 | 29 | 106 | 49 | 57 |
| TX Christian U. | 236 | 25 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TX Southern U. | 308 | 22 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| TX Tech U. | 89 | 165 | 90 | 18 | 3 | 1 | 4 | 3 | 7 | 31 | 13 | 18 |
| TX Tech U. Health Science Ctr. | 299 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| TX Woman's U. | 187 | 74 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| U. Dallas | 320 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Houston | 80 | 190 | 102 | 15 | 7 | 2 | 2 | 1 | 3 | 18 | 0 | 18 |
| U. North TX | 117 | 145 | 62 | 4 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 4 |
| U. North TX Health Science Ctr. Ft. Worth | 273 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 |
| U. TX Arlington | 144 | 68 | 48 | 24 | 0 | 5 | 11 | 3 | 5 | 3 | 0 | 3 |
| U. TX Austin | 7 | 674 | 392 | 134 | 23 | 26 | 52 | 14 | 19 | 50 | 0 | 50 |
| U. TX Dallas | 156 | 61 | 39 | 6 | 0 | 0 | 4 | 0 | 2 | 9 | 0 | 9 |
| U. TX Dental Branch | 137 | 77 | 51 | 1 | 1 | 0 | 0 | 0 | 0 | 49 | 0 | 49 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | Social sciences | Non-S&E |
|---|---|-------------|-----------|-------------------|-----------------------|----|-------------------------|------------|-----------------|---------|
| | Computer sciences | | | Total | Physics and astronomy | | Other physical sciences | Psychology | | |
| | | Mathematics | Chemistry | | | | | | | |
| U. TN Health Science Ctr. | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 23 |
| U. TN Knoxville | 2 | 3 | 2 | 18 | 12 | 6 | 0 | 20 | 17 | 99 |
| Vanderbilt U. | 5 | 0 | 5 | 13 | 6 | 7 | 0 | 14 | 19 | 65 |
| Texas | 47 | 56 | 51 | 169 | 102 | 66 | 1 | 192 | 214 | 1,024 |
| Baylor C. of Dentistry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Baylor C. of Medicine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Baylor U. | 0 | 2 | 3 | 3 | 2 | 1 | 0 | 1 | 2 | 42 |
| Dallas Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Lamar U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rice U. | 4 | 2 | 10 | 20 | 12 | 8 | 0 | 3 | 16 | 22 |
| Sam Houston State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| Southern Methodist U. | 3 | 4 | 2 | 2 | 1 | 1 | 0 | 2 | 9 | 1 |
| Southwest TX State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Southwestern Baptist Theological Seminary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 34 |
| St. Mary's U. (San Antonio, TX) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| Stephen F. Austin State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TX A&M U. Commerce | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 39 |
| TX A&M U. Corpus Christi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| TX A&M U. Kingsville | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| TX A&M U. main campus | 9 | 10 | 8 | 38 | 33 | 5 | 0 | 26 | 47 | 126 |
| TX Christian U. | 0 | 1 | 0 | 5 | 0 | 5 | 0 | 9 | 0 | 10 |
| TX Southern U. | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 18 |
| TX Tech U. | 1 | 5 | 3 | 5 | 3 | 2 | 0 | 23 | 4 | 75 |
| TX Tech U. Health Science Ctr. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| TX Woman's U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 2 | 46 |
| U. Dallas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 |
| U. Houston | 1 | 1 | 3 | 19 | 17 | 2 | 0 | 29 | 16 | 88 |
| U. North TX | 9 | 8 | 2 | 8 | 5 | 3 | 0 | 18 | 9 | 83 |
| U. North TX Health Science Ctr. Ft. Worth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. TX Arlington | 1 | 1 | 3 | 7 | 3 | 4 | 0 | 0 | 9 | 20 |
| U. TX Austin | 12 | 12 | 16 | 53 | 22 | 31 | 0 | 32 | 83 | 282 |
| U. TX Dallas | 5 | 4 | 1 | 6 | 3 | 3 | 0 | 3 | 5 | 22 |
| U. TX Dental Branch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 26 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|---|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| U. TX El Paso | 210 | 28 | 22 | 11 | 0 | 3 | 2 | 0 | 6 | 1 | 0 | 1 |
| U. TX Health Science Ctr. San Antonio | 219 | 19 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 18 |
| U. TX Medical Branch | 193 | 35 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 27 |
| U. TX San Antonio | 308 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| U. TX Southwestern Medical Ctr. Dallas | 144 | 48 | 48 | 2 | 0 | 1 | 0 | 0 | 1 | 38 | 0 | 38 |
| U. TX-Pan American | 356 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. of the Incarnate Word | 345 | 19 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah | 34 | 336 | 239 | 48 | 6 | 13 | 8 | 8 | 13 | 71 | 10 | 61 |
| Brigham Young U. main campus | 178 | 53 | 32 | 4 | 2 | 0 | 1 | 1 | 0 | 4 | 0 | 4 |
| U. UT | 48 | 224 | 160 | 30 | 4 | 5 | 5 | 7 | 9 | 51 | 0 | 51 |
| UT State U. | 146 | 59 | 47 | 14 | 0 | 8 | 2 | 0 | 4 | 16 | 10 | 6 |
| Vermont | 50 | 47 | 29 | 1 | 0 | 1 | 0 | 0 | 0 | 15 | 6 | 9 |
| Middlebury C. | 345 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. VT | 187 | 38 | 28 | 1 | 0 | 1 | 0 | 0 | 0 | 15 | 6 | 9 |
| Virginia | 12 | 1,009 | 620 | 158 | 14 | 16 | 44 | 34 | 50 | 112 | 15 | 97 |
| C. of William and Mary | 187 | 56 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| George Mason U. | 76 | 152 | 106 | 11 | 0 | 0 | 7 | 0 | 4 | 7 | 0 | 7 |
| Hampton U. | 320 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norfolk State U. | 356 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Old Dominion U. | 129 | 65 | 55 | 18 | 0 | 2 | 5 | 7 | 4 | 10 | 0 | 10 |
| Regent U. | 356 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. VA main campus | 47 | 337 | 161 | 39 | 7 | 2 | 9 | 4 | 17 | 32 | 0 | 32 |
| Union Theological Seminary & Presbyterian School of Christian Ed. | 356 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VA Commonwealth U. | 107 | 111 | 69 | 3 | 1 | 0 | 0 | 1 | 1 | 33 | 0 | 33 |
| VA Polytechnic Institute & State U. | 36 | 261 | 198 | 87 | 6 | 12 | 23 | 22 | 24 | 26 | 15 | 11 |
| Washington | 21 | 651 | 441 | 88 | 8 | 11 | 31 | 9 | 29 | 130 | 19 | 111 |
| Gonzaga U. | 320 | 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seattle Pacific U. | 320 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seattle U. | 356 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. WA | 14 | 493 | 345 | 74 | 7 | 6 | 27 | 9 | 25 | 100 | 12 | 88 |
| WA State U. | 89 | 126 | 90 | 14 | 1 | 5 | 4 | 0 | 4 | 30 | 7 | 23 |
| West Virginia | 40 | 156 | 101 | 22 | 1 | 5 | 4 | 3 | 9 | 38 | 11 | 27 |
| Marshall U. Graduate C. | 337 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | Social sciences | Non-S&E | | |
|---|---|-------------|-------|-----------------------|----|-------------------------|------------|----|-----------------|---------|--|--|
| | Computer sciences | Mathematics | Total | Physics and astronomy | | Other physical sciences | Psychology | | | | | |
| | | | | Chemistry | 0 | | | | | | | |
| U. TX El Paso | 0 | 5 | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 6 | | |
| U. TX Health Science Ctr. San Antonio | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | | |
| U. TX Medical Branch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | |
| U. TX San Antonio | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | | |
| U. TX Southwestern Medical Ctr. Dallas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | | |
| U. TX-Pan American | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | |
| U. of the Incarnate Word | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 18 | | |
| Utah | 7 | 8 | 4 | 40 | 27 | 13 | 0 | 38 | 23 | 97 | | |
| Brigham Young U. main campus | 0 | 0 | 1 | 5 | 3 | 2 | 0 | 14 | 4 | 21 | | |
| U. UT | 7 | 5 | 3 | 33 | 24 | 9 | 0 | 20 | 11 | 64 | | |
| UT State U. | 0 | 3 | 0 | 2 | 0 | 2 | 0 | 4 | 8 | 12 | | |
| Vermont | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 9 | 1 | 18 | | |
| Middlebury C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | | |
| U. VT | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 9 | 0 | 10 | | |
| Virginia | 46 | 31 | 16 | 79 | 39 | 36 | 4 | 86 | 92 | 389 | | |
| C. of William and Mary | 5 | 8 | 0 | 7 | 2 | 5 | 0 | 1 | 3 | 28 | | |
| George Mason U. | 28 | 6 | 0 | 1 | 0 | 0 | 1 | 17 | 36 | 46 | | |
| Hampton U. | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 2 | | |
| Norfolk State U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | |
| Old Dominion U. | 6 | 2 | 2 | 6 | 0 | 6 | 0 | 2 | 9 | 10 | | |
| Regent U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | | |
| U. VA main campus | 6 | 9 | 10 | 30 | 15 | 15 | 0 | 15 | 20 | 176 | | |
| Union Theological Seminary & Presbyterian School of Christian Ed. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | | |
| VA Commonwealth U. | 0 | 0 | 0 | 11 | 10 | 1 | 0 | 18 | 4 | 42 | | |
| VA Polytechnic Institute & State U. | 1 | 6 | 4 | 21 | 12 | 6 | 3 | 33 | 20 | 63 | | |
| Washington | 19 | 23 | 14 | 56 | 35 | 21 | 0 | 37 | 74 | 210 | | |
| Gonzaga U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 12 | | |
| Seattle Pacific U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | | |
| Seattle U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | | |
| U. WA | 18 | 20 | 12 | 48 | 31 | 17 | 0 | 23 | 50 | 148 | | |
| WA State U. | 1 | 3 | 2 | 8 | 4 | 4 | 0 | 10 | 22 | 36 | | |
| West Virginia | 0 | 1 | 1 | 10 | 6 | 4 | 0 | 16 | 13 | 55 | | |
| Marshall U. Graduate C. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | S&E rank | All fields | Total S&E | Engineering | | | | | Biological and agricultural sciences | | | |
|---------------------------------|-------------|---------------|--------------|-------------|----------|-------|------------|------------|--------------------------------------|-------|--------------|------------|
| | | | | Total | Chemical | Civil | Electrical | Mechanical | Other | Total | Agricultural | Biological |
| WV U. | 83 | 146 | 99 | 22 | 1 | 5 | 4 | 3 | 9 | 36 | 11 | 25 |
| Wisconsin | 16 | 819 | 535 | 109 | 12 | 19 | 27 | 20 | 31 | 183 | 42 | 141 |
| Cardinal Stritch U. | 356 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marquette U. | 236 | 44 | 15 | 5 | 0 | 1 | 0 | 2 | 2 | 4 | 0 | 4 |
| Medical C. WI | 232 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 16 |
| U. WI Madison | 3 | 653 | 445 | 96 | 12 | 17 | 24 | 16 | 27 | 159 | 42 | 117 |
| U. WI Milwaukee | 122 | 85 | 59 | 8 | 0 | 1 | 3 | 2 | 2 | 4 | 0 | 4 |
| Wyoming | 49 | 56 | 43 | 4 | 2 | 1 | 0 | 1 | 0 | 17 | 4 | 13 |
| U. WY | 152 | 56 | 43 | 4 | 2 | 1 | 0 | 1 | 0 | 17 | 4 | 13 |
| Puerto Rico | 45 | 94 | 80 | 3 | 2 | 1 | 0 | 0 | 0 | 17 | 0 | 17 |
| Carlos Albizu U. (San Juan, PR) | 210 | 22 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pontifical Catholic U. PR, The | 299 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. PR Mayaguez Campus | 256 | 12 | 12 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. PR Medical Sciences Campus | 308 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| U. PR Rio Piedras Campus | 172 | 48 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 |

TABLE 12. Doctorates awarded, by state, institution, and major field: 2003

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| State and Institution | Earth atmospheric and ocean sciences | | | Physical sciences | | | | | | Social sciences | Non-S&E | | |
|---------------------------------|---|-------------|-------|-------------------|-----------------------|----|-------------------------|------------|----|-----------------|---------|--|--|
| | Computer sciences | | | Total | Physics and astronomy | | Other physical sciences | Psychology | | | | | |
| | | Mathematics | Total | Chemistry | 4 | 0 | 16 | 13 | | | | | |
| WV U. | 0 | 1 | 1 | 10 | 6 | 4 | 0 | 16 | 13 | 47 | | | |
| Wisconsin | 10 | 20 | 21 | 60 | 39 | 19 | 2 | 50 | 82 | 284 | | | |
| Cardinal Stritch U. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | | |
| Marquette U. | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 | 0 | 0 | 29 | | |
| Medical C. WI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| U. WI Madison | 10 | 18 | 17 | 50 | 32 | 16 | 2 | 29 | 66 | 208 | | | |
| U. WI Milwaukee | 0 | 2 | 4 | 8 | 5 | 3 | 0 | 17 | 16 | 26 | | | |
| Wyoming | 0 | 5 | 3 | 10 | 8 | 2 | 0 | 3 | 1 | 13 | | | |
| U. WY | 0 | 5 | 3 | 10 | 8 | 2 | 0 | 3 | 1 | 13 | | | |
| Puerto Rico | 0 | 9 | 0 | 6 | 5 | 1 | 0 | 45 | 0 | 14 | | | |
| Carlos Albizu U. (San Juan, PR) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | | | |
| Pontifical Catholic U. PR, The | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | | | |
| U. PR Mayaguez Campus | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| U. PR Medical Sciences Campus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| U. PR Rio Piedras Campus | 0 | 0 | 0 | 6 | 5 | 1 | 0 | 18 | 0 | 14 | | | |

NOTE: Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields. Non-S&E includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 13. Postgraduation plans of doctorate recipients, by citizenship status and major field: 2003

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| Field of study | Definite plans | | | | | | | | | |
|--|-------------------|--------|----------------------|------------------|------------------------|------------------------|--------------------|--------|---------------------|--|
| | | | In the United States | | | | | | | |
| | All recipients | Total | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | Location unknown | |
| All recipients | 40,710 | 26,167 | 23,399 | 7,784 | 8,463 | 3,219 | 3,933 | 2,683 | 85 | |
| Science and engineering | 25,258 | 16,356 | 14,436 | 6,988 | 3,264 | 2,676 | 1,508 | 1,863 | 57 | |
| Engineering | 5,265 | 3,132 | 2,630 | 890 | 377 | 1,086 | 277 | 486 | 16 | |
| Aeronautical/astronautical | 199 | 112 | 98 | 41 | 11 | 25 | 21 | 14 | 0 | |
| Chemical engineering | 643 | 426 | 358 | 145 | 18 | 186 | 9 | 67 | 1 | |
| Civil engineering | 672 | 372 | 293 | 94 | 58 | 106 | 35 | 76 | 3 | |
| Electrical engineering | 1,463 | 890 | 756 | 179 | 120 | 388 | 69 | 129 | 5 | |
| Industrial | 211 | 122 | 88 | 10 | 36 | 27 | 15 | 34 | 0 | |
| Materials/metallurgical engineering | 473 | 300 | 249 | 124 | 16 | 84 | 25 | 49 | 2 | |
| Mechanical engineering | 814 | 465 | 399 | 140 | 55 | 166 | 38 | 62 | 4 | |
| Other engineering | 790 | 445 | 389 | 157 | 63 | 104 | 65 | 55 | 1 | |
| Sciences | 19,993 | 13,224 | 11,806 | 6,098 | 2,887 | 1,590 | 1,231 | 1,377 | 41 | |
| Agricultural science | 922 | 583 | 443 | 200 | 98 | 84 | 61 | 139 | 1 | |
| Biological science | 5,694 | 3,831 | 3,573 | 2,837 | 330 | 223 | 183 | 244 | 14 | |
| Computer science | 866 | 558 | 501 | 103 | 232 | 132 | 34 | 56 | 1 | |
| Earth, atmospheric, and ocean sciences | 783 | 532 | 469 | 240 | 89 | 71 | 69 | 60 | 3 | |
| Mathematics | 994 | 692 | 585 | 258 | 226 | 76 | 25 | 105 | 2 | |
| Physical sciences | 3,320 | 2,246 | 2,050 | 1,273 | 175 | 502 | 100 | 187 | 9 | |
| Astronomy | 167 | 129 | 117 | 87 | 13 | 8 | 9 | 12 | 0 | |
| Chemistry | 2,037 | 1,413 | 1,325 | 792 | 102 | 383 | 48 | 80 | 8 | |
| Physics | 1,080 | 688 | 595 | 390 | 57 | 108 | 40 | 93 | 0 | |
| Other physical sciences | 36 | 16 | 13 | 4 | 3 | 3 | 3 | 2 | 1 | |
| Psychology | 3,275 | 2,058 | 1,993 | 844 | 479 | 271 | 399 | 64 | 1 | |
| Social sciences | 4,139 | 2,724 | 2,192 | 343 | 1,258 | 231 | 360 | 522 | 10 | |
| Non-S&E | 15,452 | 9,811 | 8,963 | 796 | 5,199 | 543 | 2,425 | 820 | 28 | |
| U.S. citizens | 26,413 | 18,335 | 17,804 | 5,043 | 7,011 | 2,064 | 3,686 | 486 | 45 | |
| Science and engineering | 14,571 | 10,178 | 9,818 | 4,388 | 2,484 | 1,600 | 1,346 | 333 | 27 | |
| Engineering | 1,898 | 1,274 | 1,230 | 312 | 200 | 476 | 242 | 39 | 5 | |
| Aeronautical/astronautical | 70 | 48 | 47 | 13 | 6 | 8 | 20 | 1 | 0 | |
| Chemical engineering | 272 | 190 | 178 | 62 | 14 | 94 | 8 | 11 | 1 | |
| Civil engineering | 239 | 161 | 153 | 33 | 41 | 51 | 28 | 7 | 1 | |
| Electrical engineering | 403 | 278 | 273 | 39 | 46 | 132 | 56 | 4 | 1 | |
| Industrial | 54 | 42 | 42 | 4 | 11 | 12 | 15 | 0 | 0 | |
| Materials/metallurgical engineering | 176 | 111 | 104 | 31 | 7 | 46 | 20 | 6 | 1 | |
| Mechanical engineering | 287 | 181 | 176 | 38 | 28 | 76 | 34 | 4 | 1 | |
| Other engineering | 397 | 263 | 257 | 92 | 47 | 57 | 61 | 6 | 0 | |
| Sciences | 12,673 | 8,904 | 8,588 | 4,076 | 2,284 | 1,124 | 1,104 | 294 | 22 | |
| Agricultural science | 443 | 312 | 306 | 92 | 91 | 65 | 58 | 6 | 0 | |
| Biological science | 3,782 | 2,684 | 2,594 | 1,972 | 279 | 179 | 164 | 82 | 8 | |
| Computer science | 384 | 268 | 257 | 38 | 124 | 63 | 32 | 11 | 0 | |

TABLE 13. Postgraduation plans of doctorate recipients, by citizenship status and major field: 2003

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| Field of study | Definite plans | | | | | | | | |
|--|----------------|------------|----------------------|---------------------|---------------------|--------------------|--------|------------------|----|
| | All recipients | | In the United States | | | | | | |
| | Total | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | Location unknown | |
| Earth, atmospheric, and ocean sciences | 474 | 343 | 324 | 143 | 79 | 44 | 58 | 18 | 1 |
| Mathematics | 470 | 349 | 331 | 122 | 147 | 41 | 21 | 18 | 0 |
| Physical sciences | 1,815 | 1,294 | 1,236 | 695 | 141 | 313 | 87 | 53 | 5 |
| Astronomy | 125 | 98 | 93 | 66 | 12 | 6 | 9 | 5 | 0 |
| Chemistry | 1,169 | 858 | 827 | 453 | 84 | 251 | 39 | 27 | 4 |
| Physics | 500 | 325 | 304 | 173 | 42 | 53 | 36 | 21 | 0 |
| Other physical sciences | 21 | 13 | 12 | 3 | 3 | 3 | 3 | 0 | 1 |
| Psychology | 2,776 | 1,883 | 1,856 | 771 | 440 | 261 | 384 | 26 | 1 |
| Social sciences | 2,529 | 1,771 | 1,684 | 243 | 983 | 158 | 300 | 80 | 7 |
| Non-S&E | 11,842 | 8,157 | 7,986 | 655 | 4,527 | 464 | 2,340 | 153 | 18 |
| Non-U.S. citizens with permanent visas | 1,631 | 1,004 | 932 | 293 | 328 | 227 | 84 | 66 | 6 |
| Science and engineering | 1,098 | 685 | 651 | 274 | 127 | 205 | 45 | 29 | 5 |
| Engineering | 265 | 169 | 167 | 34 | 19 | 107 | 7 | 1 | 1 |
| Aeronautical/astronautical | 10 | 8 | 8 | 1 | 1 | 5 | 1 | 0 | 0 |
| Chemical engineering | 20 | 13 | 13 | 6 | 0 | 7 | 0 | 0 | 0 |
| Civil engineering | 30 | 19 | 19 | 1 | 2 | 15 | 1 | 0 | 0 |
| Electrical engineering | 91 | 61 | 60 | 8 | 4 | 46 | 2 | 1 | 0 |
| Industrial | 16 | 8 | 8 | 1 | 3 | 4 | 0 | 0 | 0 |
| Materials/metallurgical engineering | 24 | 18 | 18 | 8 | 2 | 6 | 2 | 0 | 0 |
| Mechanical engineering | 45 | 28 | 27 | 3 | 6 | 17 | 1 | 0 | 1 |
| Other engineering | 29 | 14 | 14 | 6 | 1 | 7 | 0 | 0 | 0 |
| Sciences | 833 | 516 | 484 | 240 | 108 | 98 | 38 | 28 | 4 |
| Agricultural science | 34 | 16 | 14 | 10 | 0 | 3 | 1 | 2 | 0 |
| Biological science | 265 | 171 | 163 | 130 | 17 | 10 | 6 | 7 | 1 |
| Computer science | 56 | 33 | 33 | 6 | 10 | 16 | 1 | 0 | 0 |
| Earth, atmospheric, and ocean sciences | 38 | 24 | 24 | 11 | 2 | 8 | 3 | 0 | 0 |
| Mathematics | 46 | 28 | 26 | 10 | 11 | 3 | 2 | 1 | 1 |
| Physical sciences | 151 | 95 | 93 | 39 | 9 | 42 | 3 | 2 | 0 |
| Astronomy | 5 | 4 | 3 | 2 | 1 | 0 | 0 | 1 | 0 |
| Chemistry | 93 | 59 | 58 | 24 | 4 | 28 | 2 | 1 | 0 |
| Physics | 52 | 32 | 32 | 13 | 4 | 14 | 1 | 0 | 0 |
| Other physical sciences | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 70 | 38 | 35 | 15 | 8 | 5 | 7 | 3 | 0 |
| Social sciences | 173 | 111 | 96 | 19 | 51 | 11 | 15 | 13 | 2 |
| Non-S&E | 533 | 319 | 281 | 19 | 201 | 22 | 39 | 37 | 1 |
| Non-U.S. citizens with temporary visas | 10,585 | 6,782 | 4,632 | 2,439 | 1,112 | 925 | 156 | 2,123 | 27 |
| Science and engineering | 8,388 | 5,468 | 3,950 | 2,319 | 650 | 869 | 112 | 1,496 | 22 |
| Engineering | 2,909 | 1,683 | 1,229 | 543 | 157 | 503 | 26 | 445 | 9 |
| Aeronautical/astronautical | 111 | 56 | 43 | 27 | 4 | 12 | 0 | 13 | 0 |

TABLE 13. Postgraduation plans of doctorate recipients, by citizenship status and major field: 2003

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| Field of study | Definite plans | | | | | | | | |
|--|-------------------|-------|----------------------|---------------|------------------|------------------------|------------------------|--------------------|--------|
| | All recipients | | In the United States | | | | | | |
| | | | Total | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad |
| Chemical engineering | 337 | 223 | 167 | 77 | 4 | 85 | 1 | 56 | 0 |
| Civil engineering | 386 | 192 | 121 | 60 | 15 | 40 | 6 | 69 | 2 |
| Electrical engineering | 920 | 547 | 421 | 131 | 70 | 210 | 10 | 123 | 3 |
| Industrial | 137 | 72 | 38 | 5 | 22 | 11 | 0 | 34 | 0 |
| Materials/metallurgical engineering | 259 | 171 | 127 | 85 | 7 | 32 | 3 | 43 | 1 |
| Mechanical engineering | 447 | 255 | 195 | 99 | 21 | 73 | 2 | 58 | 2 |
| Other engineering | 312 | 167 | 117 | 59 | 14 | 40 | 4 | 49 | 1 |
| Sciences | 5,479 | 3,785 | 2,721 | 1,776 | 493 | 366 | 86 | 1,051 | 13 |
| Agricultural science | 392 | 255 | 123 | 98 | 7 | 16 | 2 | 131 | 1 |
| Biological science | 1,401 | 971 | 812 | 731 | 34 | 34 | 13 | 155 | 4 |
| Computer science | 379 | 256 | 210 | 59 | 98 | 52 | 1 | 45 | 1 |
| Earth, atmospheric, and ocean sciences | 228 | 163 | 120 | 85 | 8 | 19 | 8 | 41 | 2 |
| Mathematics | 440 | 313 | 227 | 126 | 68 | 32 | 1 | 86 | 0 |
| Physical sciences | 1,224 | 854 | 718 | 539 | 25 | 146 | 8 | 132 | 4 |
| Astronomy | 34 | 27 | 21 | 19 | 0 | 2 | 0 | 6 | 0 |
| Chemistry | 689 | 493 | 437 | 315 | 14 | 103 | 5 | 52 | 4 |
| Physics | 494 | 331 | 259 | 204 | 11 | 41 | 3 | 72 | 0 |
| Other physical sciences | 7 | 3 | 1 | 1 | 0 | 0 | 0 | 2 | 0 |
| Psychology | 197 | 135 | 101 | 57 | 31 | 5 | 8 | 34 | 0 |
| Social sciences | 1,218 | 838 | 410 | 81 | 222 | 62 | 45 | 427 | 1 |
| Non-S&E | 2,197 | 1,314 | 682 | 120 | 462 | 56 | 44 | 627 | 5 |

¹ Other includes government, nonprofit, elementary/secondary school, other and unknown employer, and unknown plans.

NOTE: Persons with unknown citizenship are included in the total but are not shown separately. Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields. Non-S&E includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 14. Percentage distribution of definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2003
(Percent distribution)

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| Field of study | Definite plans | In the United States | | | | | | Location unknown |
|--|----------------|----------------------|---------------|---------------------|---------------------|--------------------|--------|------------------|
| | | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | |
| All recipients | 100.0 | 89.4 | 29.7 | 32.3 | 12.3 | 15.0 | 10.3 | 0.3 |
| Science and engineering | 100.0 | 88.3 | 42.7 | 20.0 | 16.4 | 9.2 | 11.4 | 0.3 |
| Engineering | 100.0 | 84.0 | 28.4 | 12.0 | 34.7 | 8.8 | 15.5 | 0.5 |
| Aeronautical/astronautical | 100.0 | 87.5 | 36.6 | 9.8 | 22.3 | 18.8 | 12.5 | 0.0 |
| Chemical engineering | 100.0 | 84.0 | 34.0 | 4.2 | 43.7 | 2.1 | 15.7 | 0.2 |
| Civil engineering | 100.0 | 78.8 | 25.3 | 15.6 | 28.5 | 9.4 | 20.4 | 0.8 |
| Electrical engineering | 100.0 | 84.9 | 20.1 | 13.5 | 43.6 | 7.8 | 14.5 | 0.6 |
| Industrial | 100.0 | 72.1 | 8.2 | 29.5 | 22.1 | 12.3 | 27.9 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 83.0 | 41.3 | 5.3 | 28.0 | 8.3 | 16.3 | 0.7 |
| Mechanical engineering | 100.0 | 85.8 | 30.1 | 11.8 | 35.7 | 8.2 | 13.3 | 0.9 |
| Other engineering | 100.0 | 87.4 | 35.3 | 14.2 | 23.4 | 14.6 | 12.4 | 0.2 |
| Sciences | 100.0 | 89.3 | 46.1 | 21.8 | 12.0 | 9.3 | 10.4 | 0.3 |
| Agricultural science | 100.0 | 76.0 | 34.3 | 16.8 | 14.4 | 10.5 | 23.8 | 0.2 |
| Biological science | 100.0 | 93.3 | 74.1 | 8.6 | 5.8 | 4.8 | 6.4 | 0.4 |
| Computer science | 100.0 | 89.8 | 18.5 | 41.6 | 23.7 | 6.1 | 10.0 | 0.2 |
| Earth, atmospheric, and ocean sciences | 100.0 | 88.2 | 45.1 | 16.7 | 13.3 | 13.0 | 11.3 | 0.6 |
| Mathematics | 100.0 | 84.5 | 37.3 | 32.7 | 11.0 | 3.6 | 15.2 | 0.3 |
| Physical sciences | 100.0 | 91.3 | 56.7 | 7.8 | 22.4 | 4.5 | 8.3 | 0.4 |
| Astronomy | 100.0 | 90.7 | 67.4 | 10.1 | 6.2 | 7.0 | 9.3 | 0.0 |
| Chemistry | 100.0 | 93.8 | 56.1 | 7.2 | 27.1 | 3.4 | 5.7 | 0.6 |
| Physics | 100.0 | 86.5 | 56.7 | 8.3 | 15.7 | 5.8 | 13.5 | 0.0 |
| Other physical sciences | 100.0 | 81.3 | 25.0 | 18.8 | 18.8 | 18.8 | 12.5 | 6.3 |
| Psychology | 100.0 | 96.8 | 41.0 | 23.3 | 13.2 | 19.4 | 3.1 | 0.0 |
| Social sciences | 100.0 | 80.5 | 12.6 | 46.2 | 8.5 | 13.2 | 19.2 | 0.4 |
| Non-S&E | 100.0 | 91.4 | 8.1 | 53.0 | 5.5 | 24.7 | 8.4 | 0.3 |
| U.S. citizens | 100.0 | 97.1 | 27.5 | 38.2 | 11.3 | 20.1 | 2.7 | 0.2 |
| Science and engineering | 100.0 | 96.5 | 43.1 | 24.4 | 15.7 | 13.2 | 3.3 | 0.3 |
| Engineering | 100.0 | 96.5 | 24.5 | 15.7 | 37.4 | 19.0 | 3.1 | 0.4 |
| Aeronautical/astronautical | 100.0 | 97.9 | 27.1 | 12.5 | 16.7 | 41.7 | 2.1 | 0.0 |
| Chemical engineering | 100.0 | 93.7 | 32.6 | 7.4 | 49.5 | 4.2 | 5.8 | 0.5 |
| Civil engineering | 100.0 | 95.0 | 20.5 | 25.5 | 31.7 | 17.4 | 4.3 | 0.6 |
| Electrical engineering | 100.0 | 98.2 | 14.0 | 16.5 | 47.5 | 20.1 | 1.4 | 0.4 |
| Industrial | 100.0 | 100.0 | 9.5 | 26.2 | 28.6 | 35.7 | 0.0 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 93.7 | 27.9 | 6.3 | 41.4 | 18.0 | 5.4 | 0.9 |
| Mechanical engineering | 100.0 | 97.2 | 21.0 | 15.5 | 42.0 | 18.8 | 2.2 | 0.6 |
| Other engineering | 100.0 | 97.7 | 35.0 | 17.9 | 21.7 | 23.2 | 2.3 | 0.0 |
| Sciences | 100.0 | 96.5 | 45.8 | 25.7 | 12.6 | 12.4 | 3.3 | 0.2 |
| Agricultural science | 100.0 | 98.1 | 29.5 | 29.2 | 20.8 | 18.6 | 1.9 | 0.0 |
| Biological science | 100.0 | 96.6 | 73.5 | 10.4 | 6.7 | 6.1 | 3.1 | 0.3 |
| Computer science | 100.0 | 95.9 | 14.2 | 46.3 | 23.5 | 11.9 | 4.1 | 0.0 |

TABLE 14. Percentage distribution of definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2003
(Percent distribution)

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| Field of study | Definite plans | In the United States | | | | | | Location unknown |
|--|----------------|----------------------|---------------|---------------------|---------------------|--------------------|--------|------------------|
| | | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | |
| Earth, atmospheric, and ocean sciences | 100.0 | 94.5 | 41.7 | 23.0 | 12.8 | 16.9 | 5.2 | 0.3 |
| Mathematics | 100.0 | 94.8 | 35.0 | 42.1 | 11.7 | 6.0 | 5.2 | 0.0 |
| Physical sciences | 100.0 | 95.5 | 53.7 | 10.9 | 24.2 | 6.7 | 4.1 | 0.4 |
| Astronomy | 100.0 | 94.9 | 67.3 | 12.2 | 6.1 | 9.2 | 5.1 | 0.0 |
| Chemistry | 100.0 | 96.4 | 52.8 | 9.8 | 29.3 | 4.5 | 3.1 | 0.5 |
| Physics | 100.0 | 93.5 | 53.2 | 12.9 | 16.3 | 11.1 | 6.5 | 0.0 |
| Other physical sciences | 100.0 | 92.3 | 23.1 | 23.1 | 23.1 | 23.1 | 0.0 | 7.7 |
| Psychology | 100.0 | 98.6 | 40.9 | 23.4 | 13.9 | 20.4 | 1.4 | 0.1 |
| Social sciences | 100.0 | 95.1 | 13.7 | 55.5 | 8.9 | 16.9 | 4.5 | 0.4 |
| Non-S&E | 100.0 | 97.9 | 8.0 | 55.5 | 5.7 | 28.7 | 1.9 | 0.2 |
| Non-U.S. citizens with permanent visas | 100.0 | 92.8 | 29.2 | 32.7 | 22.6 | 8.4 | 6.6 | 0.6 |
| Science and engineering | 100.0 | 95.0 | 40.0 | 18.5 | 29.9 | 6.6 | 4.2 | 0.7 |
| Engineering | 100.0 | 98.8 | 20.1 | 11.2 | 63.3 | 4.1 | 0.6 | 0.6 |
| Aeronautical/astronautical | 100.0 | 100.0 | 12.5 | 12.5 | 62.5 | 12.5 | 0.0 | 0.0 |
| Chemical engineering | 100.0 | 100.0 | 46.2 | 0.0 | 53.8 | 0.0 | 0.0 | 0.0 |
| Civil engineering | 100.0 | 100.0 | 5.3 | 10.5 | 78.9 | 5.3 | 0.0 | 0.0 |
| Electrical engineering | 100.0 | 98.4 | 13.1 | 6.6 | 75.4 | 3.3 | 1.6 | 0.0 |
| Industrial | 100.0 | 100.0 | 12.5 | 37.5 | 50.0 | 0.0 | 0.0 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 100.0 | 44.4 | 11.1 | 33.3 | 11.1 | 0.0 | 0.0 |
| Mechanical engineering | 100.0 | 96.4 | 10.7 | 21.4 | 60.7 | 3.6 | 0.0 | 3.6 |
| Other engineering | 100.0 | 100.0 | 42.9 | 7.1 | 50.0 | 0.0 | 0.0 | 0.0 |
| Sciences | 100.0 | 93.8 | 46.5 | 20.9 | 19.0 | 7.4 | 5.4 | 0.8 |
| Agricultural science | 100.0 | 87.5 | 62.5 | 0.0 | 18.8 | 6.3 | 12.5 | 0.0 |
| Biological science | 100.0 | 95.3 | 76.0 | 9.9 | 5.8 | 3.5 | 4.1 | 0.6 |
| Computer science | 100.0 | 100.0 | 18.2 | 30.3 | 48.5 | 3.0 | 0.0 | 0.0 |
| Earth, atmospheric, and ocean sciences | 100.0 | 100.0 | 45.8 | 8.3 | 33.3 | 12.5 | 0.0 | 0.0 |
| Mathematics | 100.0 | 92.9 | 35.7 | 39.3 | 10.7 | 7.1 | 3.6 | 3.6 |
| Physical sciences | 100.0 | 97.9 | 41.1 | 9.5 | 44.2 | 3.2 | 2.1 | 0.0 |
| Astronomy | 100.0 | 75.0 | 50.0 | 25.0 | 0.0 | 0.0 | 25.0 | 0.0 |
| Chemistry | 100.0 | 98.3 | 40.7 | 6.8 | 47.5 | 3.4 | 1.7 | 0.0 |
| Physics | 100.0 | 100.0 | 40.6 | 12.5 | 43.8 | 3.1 | 0.0 | 0.0 |
| Other physical sciences | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Psychology | 100.0 | 92.1 | 39.5 | 21.1 | 13.2 | 18.4 | 7.9 | 0.0 |
| Social sciences | 100.0 | 86.5 | 17.1 | 45.9 | 9.9 | 13.5 | 11.7 | 1.8 |
| Non-S&E | 100.0 | 88.1 | 6.0 | 63.0 | 6.9 | 12.2 | 11.6 | 0.3 |
| Non-U.S. citizens with temporary visas | 100.0 | 68.3 | 36.0 | 16.4 | 13.6 | 2.3 | 31.3 | 0.4 |
| Science and engineering | 100.0 | 72.2 | 42.4 | 11.9 | 15.9 | 2.0 | 27.4 | 0.4 |
| Engineering | 100.0 | 73.0 | 32.3 | 9.3 | 29.9 | 1.5 | 26.4 | 0.5 |
| Aeronautical/astronautical | 100.0 | 76.8 | 48.2 | 7.1 | 21.4 | 0.0 | 23.2 | 0.0 |

TABLE 14. Percentage distribution of definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2003
(Percent distribution)

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| Field of study | Definite plans | In the United States | | | | | | Location unknown |
|--|----------------|----------------------|---------------|---------------------|---------------------|--------------------|--------|------------------|
| | | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | |
| Chemical engineering | 100.0 | 74.9 | 34.5 | 1.8 | 38.1 | 0.4 | 25.1 | 0.0 |
| Civil engineering | 100.0 | 63.0 | 31.3 | 7.8 | 20.8 | 3.1 | 35.9 | 1.0 |
| Electrical engineering | 100.0 | 77.0 | 23.9 | 12.8 | 38.4 | 1.8 | 22.5 | 0.5 |
| Industrial | 100.0 | 52.8 | 6.9 | 30.6 | 15.3 | 0.0 | 47.2 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 74.3 | 49.7 | 4.1 | 18.7 | 1.8 | 25.1 | 0.6 |
| Mechanical engineering | 100.0 | 76.5 | 38.8 | 8.2 | 28.6 | 0.8 | 22.7 | 0.8 |
| Other engineering | 100.0 | 70.1 | 35.3 | 8.4 | 24.0 | 2.4 | 29.3 | 0.6 |
| Sciences | 100.0 | 71.9 | 46.9 | 13.0 | 9.7 | 2.3 | 27.8 | 0.3 |
| Agricultural science | 100.0 | 48.2 | 38.4 | 2.7 | 6.3 | 0.8 | 51.4 | 0.4 |
| Biological science | 100.0 | 83.6 | 75.3 | 3.5 | 3.5 | 1.3 | 16.0 | 0.4 |
| Computer science | 100.0 | 82.0 | 23.0 | 38.3 | 20.3 | 0.4 | 17.6 | 0.4 |
| Earth, atmospheric, and ocean sciences | 100.0 | 73.6 | 52.1 | 4.9 | 11.7 | 4.9 | 25.2 | 1.2 |
| Mathematics | 100.0 | 72.5 | 40.3 | 21.7 | 10.2 | 0.3 | 27.5 | 0.0 |
| Physical sciences | 100.0 | 84.1 | 63.1 | 2.9 | 17.1 | 0.9 | 15.5 | 0.5 |
| Astronomy | 100.0 | 77.8 | 70.4 | 0.0 | 7.4 | 0.0 | 22.2 | 0.0 |
| Chemistry | 100.0 | 88.6 | 63.9 | 2.8 | 20.9 | 1.0 | 10.5 | 0.8 |
| Physics | 100.0 | 78.2 | 61.6 | 3.3 | 12.4 | 0.9 | 21.8 | 0.0 |
| Other physical sciences | 100.0 | 33.3 | 33.3 | 0.0 | 0.0 | 0.0 | 66.7 | 0.0 |
| Psychology | 100.0 | 74.8 | 42.2 | 23.0 | 3.7 | 5.9 | 25.2 | 0.0 |
| Social sciences | 100.0 | 48.9 | 9.7 | 26.5 | 7.4 | 5.4 | 51.0 | 0.1 |
| Non-S&E | 100.0 | 51.9 | 9.1 | 35.2 | 4.3 | 3.3 | 47.7 | 0.4 |

¹ Other includes government, nonprofit, elementary/secondary school, other and unknown employer, and unknown plans.

NOTE: Persons with unknown citizenship are included in the total but are not shown separately. Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields. Non-S&E includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 15. Postgraduation plans of doctorate recipients by sex and major field: 2003

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| Field of study | All recipients | Definite plans | | | | | | | |
|--|----------------|----------------------|------------|---------------|---------------------|---------------------|--------------------|--------|------------------|
| | | In the United States | | | | | | | |
| | | Total | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | Location unknown |
| All recipients | 28,044 | 19,339 | 18,736 | 5,336 | 7,339 | 2,291 | 3,770 | 552 | 51 |
| Science and engineering | 15,669 | 10,863 | 10,469 | 4,662 | 2,611 | 1,805 | 1,391 | 362 | 32 |
| Engineering | 2,163 | 1,443 | 1,397 | 346 | 219 | 583 | 249 | 40 | 6 |
| Aeronautical/astronautical | 80 | 56 | 55 | 14 | 7 | 13 | 21 | 1 | 0 |
| Chemical Engineering | 292 | 203 | 191 | 68 | 14 | 101 | 8 | 11 | 1 |
| Civil Engineering | 269 | 180 | 172 | 34 | 43 | 66 | 29 | 7 | 1 |
| Electrical Engineering | 494 | 339 | 333 | 47 | 50 | 178 | 58 | 5 | 1 |
| Industrial | 70 | 50 | 50 | 5 | 14 | 16 | 15 | 0 | 0 |
| Materials/metallurgical engineering | 200 | 129 | 122 | 39 | 9 | 52 | 22 | 6 | 1 |
| Mechanical Engineering | 332 | 209 | 203 | 41 | 34 | 93 | 35 | 4 | 2 |
| Other Engineering | 426 | 277 | 271 | 98 | 48 | 64 | 61 | 6 | 0 |
| Sciences | 13,506 | 9,420 | 9,072 | 4,316 | 2,392 | 1,222 | 1,142 | 322 | 26 |
| Agricultural science | 477 | 328 | 320 | 102 | 91 | 68 | 59 | 8 | 0 |
| Biological science | 4,047 | 2,855 | 2,757 | 2,102 | 296 | 189 | 170 | 89 | 9 |
| Computer science | 440 | 301 | 290 | 44 | 134 | 79 | 33 | 11 | 0 |
| Earth, atmospheric, and ocean sciences | 512 | 367 | 348 | 154 | 81 | 52 | 61 | 18 | 1 |
| Mathematics | 516 | 377 | 357 | 132 | 158 | 44 | 23 | 19 | 1 |
| Physical sciences | 1,966 | 1,389 | 1,329 | 734 | 150 | 355 | 90 | 55 | 5 |
| Astronomy | 130 | 102 | 96 | 68 | 13 | 6 | 9 | 6 | 0 |
| Chemistry | 1,262 | 917 | 885 | 477 | 88 | 279 | 41 | 28 | 4 |
| Physics | 552 | 357 | 336 | 186 | 46 | 67 | 37 | 21 | 0 |
| Other physical sciences | 22 | 13 | 12 | 3 | 3 | 3 | 3 | 0 | 1 |
| Psychology | 2,846 | 1,921 | 1,891 | 786 | 448 | 266 | 391 | 29 | 1 |
| Social Sciences | 2,702 | 1,882 | 1,780 | 262 | 1,034 | 169 | 315 | 93 | 9 |
| Non-S&E | 12,375 | 8,476 | 8,267 | 674 | 4,728 | 486 | 2,379 | 190 | 19 |
| Men | 13,855 | 9,773 | 9,427 | 2,863 | 3,369 | 1,492 | 1,703 | 316 | 30 |
| Science and engineering | 8,866 | 6,316 | 6,070 | 2,604 | 1,402 | 1,270 | 794 | 223 | 23 |
| Engineering | 1,726 | 1,181 | 1,143 | 262 | 164 | 511 | 206 | 33 | 5 |
| Aeronautical/astronautical | 69 | 49 | 48 | 11 | 6 | 12 | 19 | 1 | 0 |
| Chemical Engineering | 220 | 161 | 153 | 55 | 9 | 82 | 7 | 8 | 0 |
| Civil Engineering | 200 | 138 | 130 | 22 | 30 | 58 | 20 | 7 | 1 |
| Electrical Engineering | 430 | 303 | 297 | 38 | 44 | 161 | 54 | 5 | 1 |
| Industrial | 48 | 34 | 34 | 3 | 9 | 11 | 11 | 0 | 0 |
| Materials/metallurgical engineering | 155 | 99 | 92 | 29 | 5 | 41 | 17 | 6 | 1 |
| Mechanical Engineering | 292 | 185 | 180 | 34 | 28 | 89 | 29 | 3 | 2 |
| Other Engineering | 312 | 212 | 209 | 70 | 33 | 57 | 49 | 3 | 0 |
| Sciences | 7,140 | 5,135 | 4,927 | 2,342 | 1,238 | 759 | 588 | 190 | 18 |
| Agricultural science | 317 | 227 | 221 | 70 | 59 | 53 | 39 | 6 | 0 |
| Biological science | 2,134 | 1,560 | 1,509 | 1,164 | 158 | 101 | 86 | 45 | 6 |
| Computer science | 343 | 231 | 224 | 38 | 92 | 70 | 24 | 7 | 0 |
| Earth, atmospheric, and ocean sciences | 327 | 244 | 231 | 95 | 54 | 39 | 43 | 12 | 1 |
| Mathematics | 364 | 265 | 253 | 100 | 102 | 34 | 17 | 12 | 0 |
| Physical sciences | 1,399 | 1,008 | 963 | 533 | 95 | 267 | 68 | 41 | 4 |

TABLE 15. Postgraduation plans of doctorate recipients by sex and major field: 2003

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| Field of study | All recipients | Total | Definite plans | | | | | | Location unknown | |
|--|-------------------|-------|----------------------|------------------|------------------------|------------------------|--------------------|--------|---------------------|--|
| | | | In the United States | | | | | | | |
| | | | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | Abroad | | |
| Astronomy | 99 | 78 | 75 | 53 | 9 | 5 | 8 | 3 | 0 | |
| Chemistry | 847 | 640 | 616 | 329 | 52 | 206 | 29 | 20 | 4 | |
| Physics | 439 | 282 | 264 | 148 | 32 | 54 | 30 | 18 | 0 | |
| Other physical sciences | 14 | 8 | 8 | 3 | 2 | 2 | 1 | 0 | 0 | |
| Psychology | 892 | 614 | 598 | 222 | 148 | 96 | 132 | 15 | 1 | |
| Social Sciences | 1,364 | 986 | 928 | 120 | 530 | 99 | 179 | 52 | 6 | |
| Non-S&E | 4,989 | 3,457 | 3,357 | 259 | 1,967 | 222 | 909 | 93 | 7 | |
| Women | 14,185 | 9,564 | 9,307 | 2,472 | 3,970 | 798 | 2,067 | 236 | 21 | |
| Science and engineering | 6,801 | 4,545 | 4,397 | 2,057 | 1,209 | 534 | 597 | 139 | 9 | |
| Engineering | 437 | 262 | 254 | 84 | 55 | 72 | 43 | 7 | 1 | |
| Aeronautical/astronautical | 11 | 7 | 7 | 3 | 1 | 1 | 2 | 0 | 0 | |
| Chemical Engineering | 72 | 42 | 38 | 13 | 5 | 19 | 1 | 3 | 1 | |
| Civil Engineering | 69 | 42 | 42 | 12 | 13 | 8 | 9 | 0 | 0 | |
| Electrical Engineering | 64 | 36 | 36 | 9 | 6 | 17 | 4 | 0 | 0 | |
| Industrial | 22 | 16 | 16 | 2 | 5 | 5 | 4 | 0 | 0 | |
| Materials/metallurgical engineering | 45 | 30 | 30 | 10 | 4 | 11 | 5 | 0 | 0 | |
| Mechanical Engineering | 40 | 24 | 23 | 7 | 6 | 4 | 6 | 1 | 0 | |
| Other Engineering | 114 | 65 | 62 | 28 | 15 | 7 | 12 | 3 | 0 | |
| Sciences | 6,364 | 4,283 | 4,143 | 1,973 | 1,154 | 462 | 554 | 132 | 8 | |
| Agricultural science | 160 | 101 | 99 | 32 | 32 | 15 | 20 | 2 | 0 | |
| Biological science | 1,911 | 1,293 | 1,246 | 937 | 138 | 87 | 84 | 44 | 3 | |
| Computer science | 97 | 70 | 66 | 6 | 42 | 9 | 9 | 4 | 0 | |
| Earth, atmospheric, and ocean sciences | 185 | 123 | 117 | 59 | 27 | 13 | 18 | 6 | 0 | |
| Mathematics | 152 | 112 | 104 | 32 | 56 | 10 | 6 | 7 | 1 | |
| Physical sciences | 567 | 381 | 366 | 201 | 55 | 88 | 22 | 14 | 1 | |
| Astronomy | 31 | 24 | 21 | 15 | 4 | 1 | 1 | 3 | 0 | |
| Chemistry | 415 | 277 | 269 | 148 | 36 | 73 | 12 | 8 | 0 | |
| Physics | 113 | 75 | 72 | 38 | 14 | 13 | 7 | 3 | 0 | |
| Other physical sciences | 8 | 5 | 4 | 0 | 1 | 1 | 2 | 0 | 1 | |
| Psychology | 1,954 | 1,307 | 1,293 | 564 | 300 | 170 | 259 | 14 | 0 | |
| Social Sciences | 1,338 | 896 | 852 | 142 | 504 | 70 | 136 | 41 | 3 | |
| Non-S&E | 7,384 | 5,019 | 4,910 | 415 | 2,761 | 264 | 1,470 | 97 | 12 | |

¹ Other includes government, nonprofit, elementary/secondary school, other and unknown employer, and unknown plans.

NOTE: Data exclude non-U.S. citizens with temporary visas and those of unknown citizenship. Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included not in humanities but in social science, and public administration is not included in professional fields but in social science. Non-S&E includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 16. Definite postgraduation plans of doctorate recipients by sex and major field: 2003
 (Percent distribution)

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| Field of study | Definite plans | In the United States | | | | | Location | |
|--|----------------|----------------------|---------------|---------------------|---------------------|--------------------|----------|-----|
| | | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | | |
| All recipients | 100.0 | 96.9 | 27.6 | 37.9 | 11.8 | 19.5 | 2.9 | 0.3 |
| Science and engineering | 100.0 | 96.4 | 42.9 | 24.0 | 16.6 | 12.8 | 3.3 | 0.3 |
| Engineering | 100.0 | 96.8 | 24.0 | 15.2 | 40.4 | 17.3 | 2.8 | 0.4 |
| Aeronautical/astronautical | 100.0 | 98.2 | 25.0 | 12.5 | 23.2 | 37.5 | 1.8 | 0.0 |
| Chemical Engineering | 100.0 | 94.1 | 33.5 | 6.9 | 49.8 | 3.9 | 5.4 | 0.5 |
| Civil Engineering | 100.0 | 95.6 | 18.9 | 23.9 | 36.7 | 16.1 | 3.9 | 0.6 |
| Electrical Engineering | 100.0 | 98.2 | 13.9 | 14.7 | 52.5 | 17.1 | 1.5 | 0.3 |
| Industrial | 100.0 | 100.0 | 10.0 | 28.0 | 32.0 | 30.0 | 0.0 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 94.6 | 30.2 | 7.0 | 40.3 | 17.1 | 4.7 | 0.8 |
| Mechanical Engineering | 100.0 | 97.1 | 19.6 | 16.3 | 44.5 | 16.7 | 1.9 | 1.0 |
| Other Engineering | 100.0 | 97.8 | 35.4 | 17.3 | 23.1 | 22.0 | 2.2 | 0.0 |
| Sciences | 100.0 | 96.3 | 45.8 | 25.4 | 13.0 | 12.1 | 3.4 | 0.3 |
| Agricultural science | 100.0 | 97.6 | 31.1 | 27.7 | 20.7 | 18.0 | 2.4 | 0.0 |
| Biological science | 100.0 | 96.6 | 73.6 | 10.4 | 6.6 | 6.0 | 3.1 | 0.3 |
| Computer science | 100.0 | 96.3 | 14.6 | 44.5 | 26.2 | 11.0 | 3.7 | 0.0 |
| Earth, atmospheric, and ocean sciences | 100.0 | 94.8 | 42.0 | 22.1 | 14.2 | 16.6 | 4.9 | 0.3 |
| Mathematics | 100.0 | 94.7 | 35.0 | 41.9 | 11.7 | 6.1 | 5.0 | 0.3 |
| Physical sciences | 100.0 | 95.7 | 52.8 | 10.8 | 25.6 | 6.5 | 4.0 | 0.4 |
| Astronomy | 100.0 | 94.1 | 66.7 | 12.7 | 5.9 | 8.8 | 5.9 | 0.0 |
| Chemistry | 100.0 | 96.5 | 52.0 | 9.6 | 30.4 | 4.5 | 3.1 | 0.4 |
| Physics | 100.0 | 94.1 | 52.1 | 12.9 | 18.8 | 10.4 | 5.9 | 0.0 |
| Other physical sciences | 100.0 | 92.3 | 23.1 | 23.1 | 23.1 | 23.1 | 0.0 | 7.7 |
| Psychology | 100.0 | 98.4 | 40.9 | 23.3 | 13.8 | 20.4 | 1.5 | 0.1 |
| Social Sciences | 100.0 | 94.6 | 13.9 | 54.9 | 9.0 | 16.7 | 4.9 | 0.5 |
| Non-S&E | 100.0 | 97.5 | 8.0 | 55.8 | 5.7 | 28.1 | 2.2 | 0.2 |
| Men | 100.0 | 96.5 | 29.3 | 34.5 | 15.3 | 17.4 | 3.2 | 0.3 |
| Science and engineering | 100.0 | 96.1 | 41.2 | 22.2 | 20.1 | 12.6 | 3.5 | 0.4 |
| Engineering | 100.0 | 96.8 | 22.2 | 13.9 | 43.3 | 17.4 | 2.8 | 0.4 |
| Aeronautical/astronautical | 100.0 | 98.0 | 22.4 | 12.2 | 24.5 | 38.8 | 2.0 | 0.0 |
| Chemical Engineering | 100.0 | 95.0 | 34.2 | 5.6 | 50.9 | 4.3 | 5.0 | 0.0 |
| Civil Engineering | 100.0 | 94.2 | 15.9 | 21.7 | 42.0 | 14.5 | 5.1 | 0.7 |
| Electrical Engineering | 100.0 | 98.0 | 12.5 | 14.5 | 53.1 | 17.8 | 1.7 | 0.3 |
| Industrial | 100.0 | 100.0 | 8.8 | 26.5 | 32.4 | 32.4 | 0.0 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 92.9 | 29.3 | 5.1 | 41.4 | 17.2 | 6.1 | 1.0 |
| Mechanical Engineering | 100.0 | 97.3 | 18.4 | 15.1 | 48.1 | 15.7 | 1.6 | 1.1 |
| Other Engineering | 100.0 | 98.6 | 33.0 | 15.6 | 26.9 | 23.1 | 1.4 | 0.0 |
| Sciences | 100.0 | 95.9 | 45.6 | 24.1 | 14.8 | 11.5 | 3.7 | 0.4 |
| Agricultural science | 100.0 | 97.4 | 30.8 | 26.0 | 23.3 | 17.2 | 2.6 | 0.0 |
| Biological science | 100.0 | 96.7 | 74.6 | 10.1 | 6.5 | 5.5 | 2.9 | 0.4 |
| Computer science | 100.0 | 97.0 | 16.5 | 39.8 | 30.3 | 10.4 | 3.0 | 0.0 |
| Earth, atmospheric, and ocean sciences | 100.0 | 94.7 | 38.9 | 22.1 | 16.0 | 17.6 | 4.9 | 0.4 |
| Mathematics | 100.0 | 95.5 | 37.7 | 38.5 | 12.8 | 6.4 | 4.5 | 0.0 |

TABLE 16. Definite postgraduation plans of doctorate recipients by sex and major field: 2003
(Percent distribution)

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| Field of study | Definite plans | In the United States | | | | | Location abroad | Location unknown |
|--|----------------|----------------------|---------------|---------------------|---------------------|--------------------|-----------------|------------------|
| | | Total U.S. | Postdoc study | Academic employment | Industry employment | Other ¹ | | |
| Physical sciences | 100.0 | 95.5 | 52.9 | 9.4 | 26.5 | 6.7 | 4.1 | 0.4 |
| Astronomy | 100.0 | 96.2 | 67.9 | 11.5 | 6.4 | 10.3 | 3.8 | 0.0 |
| Chemistry | 100.0 | 96.3 | 51.4 | 8.1 | 32.2 | 4.5 | 3.1 | 0.6 |
| Physics | 100.0 | 93.6 | 52.5 | 11.3 | 19.1 | 10.6 | 6.4 | 0.0 |
| Other physical sciences | 100.0 | 100.0 | 37.5 | 25.0 | 25.0 | 12.5 | 0.0 | 0.0 |
| Psychology | 100.0 | 97.4 | 36.2 | 24.1 | 15.6 | 21.5 | 2.4 | 0.2 |
| Social Sciences | 100.0 | 94.1 | 12.2 | 53.8 | 10.0 | 18.2 | 5.3 | 0.6 |
| Non-S&E | 100.0 | 97.1 | 7.5 | 56.9 | 6.4 | 26.3 | 2.7 | 0.2 |
| Women | 100.0 | 97.3 | 25.8 | 41.5 | 8.3 | 21.6 | 2.5 | 0.2 |
| Science and engineering | 100.0 | 96.7 | 45.3 | 26.6 | 11.7 | 13.1 | 3.1 | 0.2 |
| Engineering | 100.0 | 96.9 | 32.1 | 21.0 | 27.5 | 16.4 | 2.7 | 0.4 |
| Aeronautical/astronautical | 100.0 | 100.0 | 42.9 | 14.3 | 14.3 | 28.6 | 0.0 | 0.0 |
| Chemical Engineering | 100.0 | 90.5 | 31.0 | 11.9 | 45.2 | 2.4 | 7.1 | 2.4 |
| Civil Engineering | 100.0 | 100.0 | 28.6 | 31.0 | 19.0 | 21.4 | 0.0 | 0.0 |
| Electrical Engineering | 100.0 | 100.0 | 25.0 | 16.7 | 47.2 | 11.1 | 0.0 | 0.0 |
| Industrial | 100.0 | 100.0 | 12.5 | 31.3 | 31.3 | 25.0 | 0.0 | 0.0 |
| Materials/metallurgical engineering | 100.0 | 100.0 | 33.3 | 13.3 | 36.7 | 16.7 | 0.0 | 0.0 |
| Mechanical Engineering | 100.0 | 95.8 | 29.2 | 25.0 | 16.7 | 25.0 | 4.2 | 0.0 |
| Other Engineering | 100.0 | 95.4 | 43.1 | 23.1 | 10.8 | 18.5 | 4.6 | 0.0 |
| Sciences | 100.0 | 96.7 | 46.1 | 26.9 | 10.8 | 12.9 | 3.1 | 0.2 |
| Agricultural science | 100.0 | 98.0 | 31.7 | 31.7 | 14.9 | 19.8 | 2.0 | 0.0 |
| Biological science | 100.0 | 96.4 | 72.5 | 10.7 | 6.7 | 6.5 | 3.4 | 0.2 |
| Computer science | 100.0 | 94.3 | 8.6 | 60.0 | 12.9 | 12.9 | 5.7 | 0.0 |
| Earth, atmospheric, and ocean sciences | 100.0 | 95.1 | 48.0 | 22.0 | 10.6 | 14.6 | 4.9 | 0.0 |
| Mathematics | 100.0 | 92.9 | 28.6 | 50.0 | 8.9 | 5.4 | 6.3 | 0.9 |
| Physical sciences | 100.0 | 96.1 | 52.8 | 14.4 | 23.1 | 5.8 | 3.7 | 0.3 |
| Astronomy | 100.0 | 87.5 | 62.5 | 16.7 | 4.2 | 4.2 | 12.5 | 0.0 |
| Chemistry | 100.0 | 97.1 | 53.4 | 13.0 | 26.4 | 4.3 | 2.9 | 0.0 |
| Physics | 100.0 | 96.0 | 50.7 | 18.7 | 17.3 | 9.3 | 4.0 | 0.0 |
| Other physical sciences | 100.0 | 80.0 | 0.0 | 20.0 | 20.0 | 40.0 | 0.0 | 20.0 |
| Psychology | 100.0 | 98.9 | 43.2 | 23.0 | 13.0 | 19.8 | 1.1 | 0.0 |
| Social Sciences | 100.0 | 95.1 | 15.8 | 56.3 | 7.8 | 15.2 | 4.6 | 0.3 |
| Non-S&E | 100.0 | 97.8 | 8.3 | 55.0 | 5.3 | 29.3 | 1.9 | 0.2 |

¹ Other includes government, nonprofit, elementary/secondary school, other and unknown employer, and unknown plans.

NOTE: Data exclude non-U.S. citizens with temporary visas and those of unknown citizenship. Categories are grouped differently from the questionnaire and the summary reports in that linguistics, history of science, American studies, and archaeology are included not in humanities but in social science, and public administration is not included in professional fields but in social science. Non-S&E includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.